SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

August 30, 2011

Jared Blumenfeld
EPA Regional Administrator
USEPA, Region IX - Toxics Program
75 Hawthorne Street (ORA-1)
San Francisco, CA 94105

Certified Mail Receipt #: 7010 0780 0000 5787 3799

Subject: Risk Based Disposal Approval Application
SCE PCB Spill: NRC # 951155; Cal-EMA # 10-4769 (07/18/10)

Dear Mr. Blumenfeld:

Southern California Edison (SCE) respectfully submits the Attachment (1), (2), (3), (4) and (5) in response to the U.S. Environmental Protection Agency (USEPA) - Region IX's Regional PCB Coordinator request to submit an application under 40 CFR 761.61 (c) and notification in accordance to 40 CFR 761.61(a)(3)(A)-(D) pertaining to the mineral oil release containing 166 parts per million (ppm) that affected soil and groundwater from a Buried Underground Residential Distribution (BURD) transformer located at 3701 Capstan Circle, Westlake Village, California.

SCE is requesting approval to proceed with final excavation and post-cleanup verification sampling as specified within the attached Soil Excavation Work Plan (Refer to Attachment 1).

BACKGROUND

As previously requested by Carmen Santos, USEPA's Regional PCB Coordinator, SCE contacted the Los Angeles Region of the California Regional Water Quality Control Board (Los Angeles RWQCB) and obtained oversight for soil and groundwater assessment activity under the Los Angeles RWQCB Site Cleanup Program (SCP). During further discussion with USEPA, SCE agreed to submit this Soil Excavation Work Plan to both USEPA and the Los Angeles RWQCB for review and approval following the completion of the soil and groundwater assessment.

Site Assessment

On November 3, 2010, SCE submitted a Site Assessment Work Plan for soil and groundwater to the Los Angeles RWQCB and obtained approval for this work plan on November 3, 2010 (Refer to Attachment 2) with submission of a technical report by no later than January 1, 2011. In addition, SCE uploaded the Site Assessment Work Plan to Geotracker on November 8, 2010. As

1218 S. 5th Avenue
Monrovia, CA 91016

a result of a delay of approximately four weeks in obtaining the City of Westlake Encroachment Permit for sampling activities in the street, SCE obtained approval for submittal delay of the Technical Report to the Los Angeles RWQCB by no later than March 1, 2011. SCE submitted the Technical Report to the Los Angeles RWQCB on February 25, 2011. (Refer to Attachment 3).

Within the technical report submitted on February 25, 2011, SCE recommended additional soil sampling to be conducted in two focused locations that had elevated PCB concentrations of 3.7 parts per million (ppm) PCB and 6.4 ppm PCB identified during the August 9, 2010 sampling event. On April 13, 2011, SCE obtained approval from the Los Angeles RWQCB for the additional proposed assessment with submission of a technical report by no later than August 1, 2011. On May 5, 2011, SCE requested clarification from the Los Angeles RWQCB regarding the Los Angeles RWQCB's approval letter dated April 13, 2011 for the additional proposed assessment for conducting total petroleum hydrocarbon (TPH) analysis on the soil and groundwater samples utilizing EPA Test Method 8015 for testing for TPH gasoline, TPH diesel fuel and TPH motor oil.

Since the transformers contain mineral oil and do not contain gasoline, diesel fuel and motor oil, the Los Angeles RWQCB approved SCE's recommendation on May 5, 2011 to sample both groundwater and soil utilizing the EPA Test Method 8015 with a carbon chain identification method in order to isolate the carbon chain for mineral oil. SCE submitted the Technical Report with included a proposed soil excavation plan to the Los Angeles RWQCB on July 21, 2011. (Refer to Attachment 4).

Waste Management

The BURD distribution transformer and all remediation waste generated from the July 18, 2010 remediation activity was placed into 55-gallon drums and transported to SCE's Thousand Oaks Service Center for management in accordance with applicable waste regulations. The remediation waste generated from the August 9, 2010 remediation activity was placed into a roll-off bin and transported directly to Clean Harbors Grassy Mountain, LLC for management in accordance with applicable waste regulations (Refer to Attachment 5).

All waste generated from the sampling activity that occurred on May 26, 2011 that was found to be Non-Detect was placed into 55 gallon drums and managed Non-Hazardous Waste.

NOTIFICATION

(A) The nature of the contamination and the kinds of materials contaminated.

The nature of contamination is mineral oil containing 166 ppm PCBs from a Buried Underground Residential Distribution (BURD) transformer (Manufacturer Name: General Electric; Serial # H235218P68A). The release was a result of weather condition. The kind of materials contaminated was soil and groundwater.

(B) A summary of the procedures used to sample contaminated and adjacent areas and a table or cleanup site map showing PCB concentrations measured in all pre-cleanup characterization samples. The summary must include sample collection *and analysis dates. The EPA Regional Administrator may require more detailed information including, but not limited to, additional characterization sampling or all sample identification numbers from all previous characterization activities at the cleanup site.*

Refer to Attachment 1 SCE Soil Excavation Work Plan, Section 2.0 Site Assessment.

(C) The location and extent of the identified contaminated area, including topographic maps with sample collection sites cross referenced to the sample identification numbers in the data summary from paragraph (a)(3)(i)(B) of this section.

Refer to Attachment 1 SCE Soil Excavation Work Plan, Figure 1 Site Location Map and Figure 2 Planned Excavation Limits Map.

(D) A cleanup plan for the site, including schedule, disposal technology, and approach. This plan should contain options and contingencies to be used if unanticipated higher concentrations or wider distributions of PCB remediation waste are found or other obstacles force changes in the cleanup approach.

Refer to Attachment 1 SCE Soil Excavation Work Plan, Section 3.0 Clean-up Plan and Post-Clean-up Verification Sampling Procedures.

USEPA WRITTEN DECISION

As specified within 40 CFR 761.61(c)(2), SCE will await USEPA's written decision to this Risk Based Disposal Approval Application prior to proceeding with final excavation and post-cleanup verification sampling as specified within the attached Soil Excavation Work Plan.

If you have any questions, and/or need any additional information, please feel free to call me at (626) 462-8740.

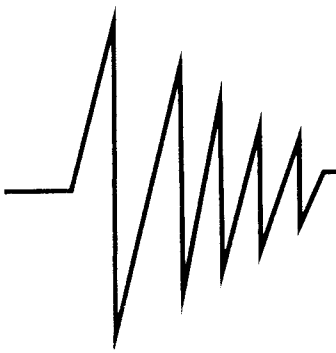
Mary Zepeda
Project Manager
Operations Support Business Unit
Corporate Environment, Health & Safety
Water/Waste and Environmental Engineering Division
Technical Services and Program Management Section
Southern California Edison

cc:

Joshua Nichols
Carmen Santos, USEPA Region IX's Regional PCB Administrator
Peter J. Raftery, Los Angeles RWQCB

Attachment:

(1) SCE Soil Excavation Work Plan dated August 29, 2011
(2) SCE Site Assessment Work Plan dated October 22, 2010, Los Angeles RWQCB Approval Letter dated November 3, 2010, SCE RWQCB Geotracker Submittal Letter dated November 8, 2010, SCE Extension Request dated December 10, 2010, and Los Angeles RWQCB Approval Letter dated December 20, 2010
(3) SCE Site Assessment Report dated February 25, 2010 and Los Angeles RWQCB Approval Letter dated April 13, 2011
(4) SCE Site Assessment Report and Soil Excavation Plan dated June 27, 2011
(5) Uniform Hazardous Waste Manifest # 002684980 and # 004552750 FLE + TSCA Manifest Continuation Form



GEOTECH GROUP

Southern California Edison

ATTACHMENT # 1

SCE Soil Excavation Work Plan dated August 29, 2011

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SOIL EXCAVATION WORK PLAN
NEAR THE INTERSECTION OF TRIUNFO CANYON ROAD AND CAPSTAN CIRCLE
WESTLAKE VILLAGE, CALIFORNIA
SCE STRUCTURE #5024599
SITE CLEANUP CASE NUMBER SCP #1254

Prepared By: Southern California Edison Company
Engineering & Technical Services
Geotechnical Group

August 29, 2011

Soil Excavation Work Plan
Near the Intersection of Triunfo Canyon Road and Capstan Circle
Westlake Village, California, 91361
Case Number: (SCP #1254)
SCE Westlake Village Structure Number: 5024599

1.0 INTRODUCTION

This Southern California Edison Company (SCE) Soil Excavation Work Plan is for soil excavation and verification sampling activities following a release of mineral oil from a Buried Underground Residential Distribution (BURD) transformer located near the intersection of Triunfo Canyon Road and Capstan Circle (Figure 1). The BURD transformer is located below grade in the front yard of a single-family residence in Westlake Village, CA.

On July 18, 2010 SCE discovered that the BURD transformer had released an estimated 30 gallons of mineral oil. Initial excavation activities obtained 5 soil samples from the bottom of a 3' x 3 ½' by 7-foot deep excavation. One sample of mineral oil was collected from the BURD and tested for Polychlorinated Biphenyls (PCB) content. The analytical laboratory results for the mineral oil sample indicated a PCB concentration of 166 parts per million (ppm). The analytical laboratory results for the July 18, 2010 soil samples measured concentrations of PCBs ranging from 0.19 ppm to 1.5 ppm.

After further excavation on August 9, 2010, 4 additional soil samples were collected from the sidewalls at the 8 foot depth, and 1 water sample was obtained from the bottom of the 9-foot deep excavation. PCB concentrations in soil ranged from less than 0.02 ppm to 6.4 ppm. The water sample showed a PCB concentration of 1,900 micrograms/liter (µg/l); however entrained sediment and/or absence of purging may have influenced the result. The analytical testing data from these initial excavation activities is summarized in Table 1.

Table 1 – Summary of PCB & TPH Detections From Excavation

Sample Date	Sample Number	Sample Depth	Sample Location	TEPH Result (mg/kg or mg/l)	PCB Result (mg/kg or ug/L)
7/18/10	1	3 ft	NW Wall	12,000 mg/kg	0.70 mg/kg
7/18/10	2	3 ft	SW Wall	5,600 mg/kg	0.19 mg/kg
7/18/10	3	3 ft	NE Wall	12,000 mg/kg	1.5 mg/kg
7/18/10	4	3 ft	SE Wall	7,900 mg/kg	0.68 mg/kg
7/18/10	5	3 ft	Center	2,200 mg/kg	0.44 mg/kg
8/9/10	1	8 ft	West Wall	<1.0 mg/kg	<0.02 mg/kg
8/9/10	2	8 ft	North Wall	7,300 mg/kg	3.7 mg/kg
8/9/10	3	8 ft	East Wall	25,000 mg/kg	6.4 mg/kg
8/9/10	4	8 ft	South Wall	260 mg/kg	0.34 mg/kg
8/9/10	5	9 ft	Center (Water)	2,800 mg/L	1,900 µg/L

2.0 SITE ASSESSMENT

Soil and groundwater sampling was conducted in January and May of 2011 to assess the extent of the observed PCB impacted soil and confirm the detection in groundwater. The results of these assessments did not detect the presence of PCB or petroleum hydrocarbon in groundwater, and showed that the extent of the impacted soils was limited to the immediate area surrounding the BURD structure. The site assessment reports contain all analytical laboratory reports, boring logs and other assessment data. These reports are:

- *Site Assessment Report, Near the Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California, February 25, 2011*
- *Site Assessment Report & Soil Excavation Plan, Near the Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California, June 27, 2011.*

Tables 2 and 3 summarize the data from the January and May 2011 site assessment activities.

Table 2 – Summary of Analytical Testing of Soil

Boring Number	Sample Date	Sample Depth	TPH (mg/kg)	PCB (mg/kg)
DP-1	1/12/11	8 ft	Not Analyzed	ND
DP-2	1/12/11	7 ft	Not Analyzed	ND
DP-3	1/12/11	8 ft	Not Analyzed	ND
DP-4	1/12/11	8 ft	Not Analyzed	ND
HA-1	1/12/11	9 ft	Not Analyzed	ND
HA-2	1/12/11	6 ft	Not Analyzed	ND
DP-5	5/26/11	7 ft	ND	ND
DP-6	5/26/11	7 ft	ND	ND
DP-7	5/26/11	7 ft	ND	ND

Table 3 – Summary of Analytical Testing of Groundwater

Boring Number	Sample Date	Sample Depth	TPH (mg/kg)	PCB (ug/L)
DP-1	1/12/11	8 ft	Not Analyzed	ND
DP-2	1/12/11	7 ft	Not Analyzed	ND
DP-3	1/12/11	8 ft	Not Analyzed	ND
DP-4	1/12/11	8 ft	Not Analyzed	ND
HA-1	1/12/11	9 ft	Not Analyzed	ND
HA-2	1/12/11	6 ft	Not Analyzed	ND
DP-6	5/26/11	11 ft	ND	ND
DP-7	5/26/11	11 ft	ND	ND

The sampling procedures used during both phases of site assessment were identical. Soil samples were obtained with either 1-inch diameter clear plastic liners advanced with direct push equipment or a glass jar from a hand augered boring. All boreholes were logged for soil description.

After advancing the boring to the target depth, a temporary well point constructed of 1-inch schedule 40 PVC casing with a 5 foot long well screen was placed in the borehole. Each well point was purged until the water appeared clear and then one groundwater grab sample was collected with a peristaltic pump. At the completion of groundwater sampling, the temporary well point was removed and the boring backfilled by using a 95% Portland cement/5% bentonite slurry, and the asphalt surface patched. Details of these site assessments are contained in the reports referenced above.

3.0 CLEAN-UP PLAN AND POST-CLEAN-UP VERIFICATION SAMPLING PROCEDURES

Figure 2 shows the anticipated limits of the proposed excavation area. From the site assessment data, the impacted soils are in a very limited area and additional excavation is not expected. Following excavation of the impacted area, post-clean-up verification samples will be collected. These samples will be collected with hand tools from the walls of the excavation at the approximate 8-foot depth. Laboratory supplied glass jars will be used. All soil samples will be sent to a state-certified analytical laboratory for analysis, and will individually analyzed. The samples will be analyzed on a rush basis so verification that PCB soils have been removed and the excavation can be backfilled.

An excavation log will be maintained for all operations as a record of visual descriptions made in the field. The log will be completed by the geologist or engineer supervising the excavation activities. The location and dimension of the excavation along with the location of all verification samples will be entered on the log. All soil sampling equipment and associated tools including hand-augers and split-spoon samplers will be decontaminated by a three-step process:

- Scrubbing with potable water to remove soil particles
- Washing with a non-phosphate detergent
- Rinsing with potable water

Additional decontamination procedures for sampling equipment will be conducted in accordance with 40CFR 761.79(c).

The field schedule for removal of buried utilities, excavation, laboratory analysis and replacement of the utilities and backfill is approximately 3-4 weeks. Upon receipt of

all documentation it will be approximately one month to complete and submit the final technical report.

The PCB remediation waste generated from the additional remediation activity will be disposed based on the source oil concentration of 166 ppm.

4.0 ANALYTICAL TESTING

Soil samples will be analyzed for PCBs and TPH with carbon-chain identification from C4 through C38. The carbon-chain range for mineral oil is C10-C12. For this work the following range and types of hydrocarbons will be reported.

C4-C12 – Gasoline Range
C8-C10 – Lighter than Diesel
C10-C18, C18-C28 – Diesel Range
C18-C36 – Motor Oil Range
C36-C40 – Heavier than Motor Oil
C8-C40 – Total Petroleum Hydrocarbons

Appropriate containers, preservation, and analytical holding times are presented in Table 4.

Table 4 - Sample Containers and Preservation

Media	EPA Analytical Method	Container	Preservation	Analytical Holding Time
Soil	PCB (8082)	Glass jar	Cool to 4° C	14 days (extraction) 40 days (analysis)
	TPH (8015)	Glass jar	Cool to 4° C	14 days

The project location, sampling date and time, sample containers, requested analyses, person(s) collecting and relinquishing the samples, and sample identification will be indicated on the chain-of-custody (COC) record. Each sample collected shall be labeled with the following information:

- Project name and number
- Sample number and depth
- Date/time of collection
- Requested Analysis

Each glass jar will be closed tightly and placed inside an appropriate sized cooler and packed with adequate temperature controls to maintain sample integrity until receipt by the laboratory. All samples will be transported to the laboratory by field personnel or laboratory courier. All samples will be accompanied by a properly completed COC form. The sample numbers and locations will be listed on the COC form and will match the information on the individual sample labels. When transferring the possession of samples, the individual relinquishing and receiving will sign, date, and note the time on the record.

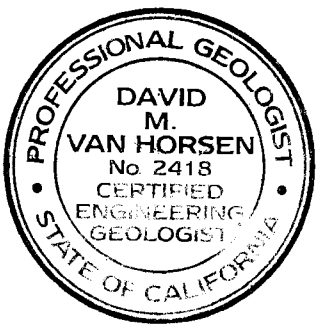
Duplicate soil samples of soil will be collected at a rate of 10% of the total collected. An equipment rinsate blank will also be collected by pouring water provided by the laboratory over a decontaminated piece of equipment.

5.0 REPORTING

After field operations are complete and the analytical laboratory data received, a Post-Cleanup Verification Sampling Report will be prepared. This report will describe the field activities and present results of the analytical testing. Figures and tables will be prepared to support the text, as necessary. All analytical laboratory reports, COC and disposal documentation will be included. The report will be signed and stamped by a California Professional Geologist.

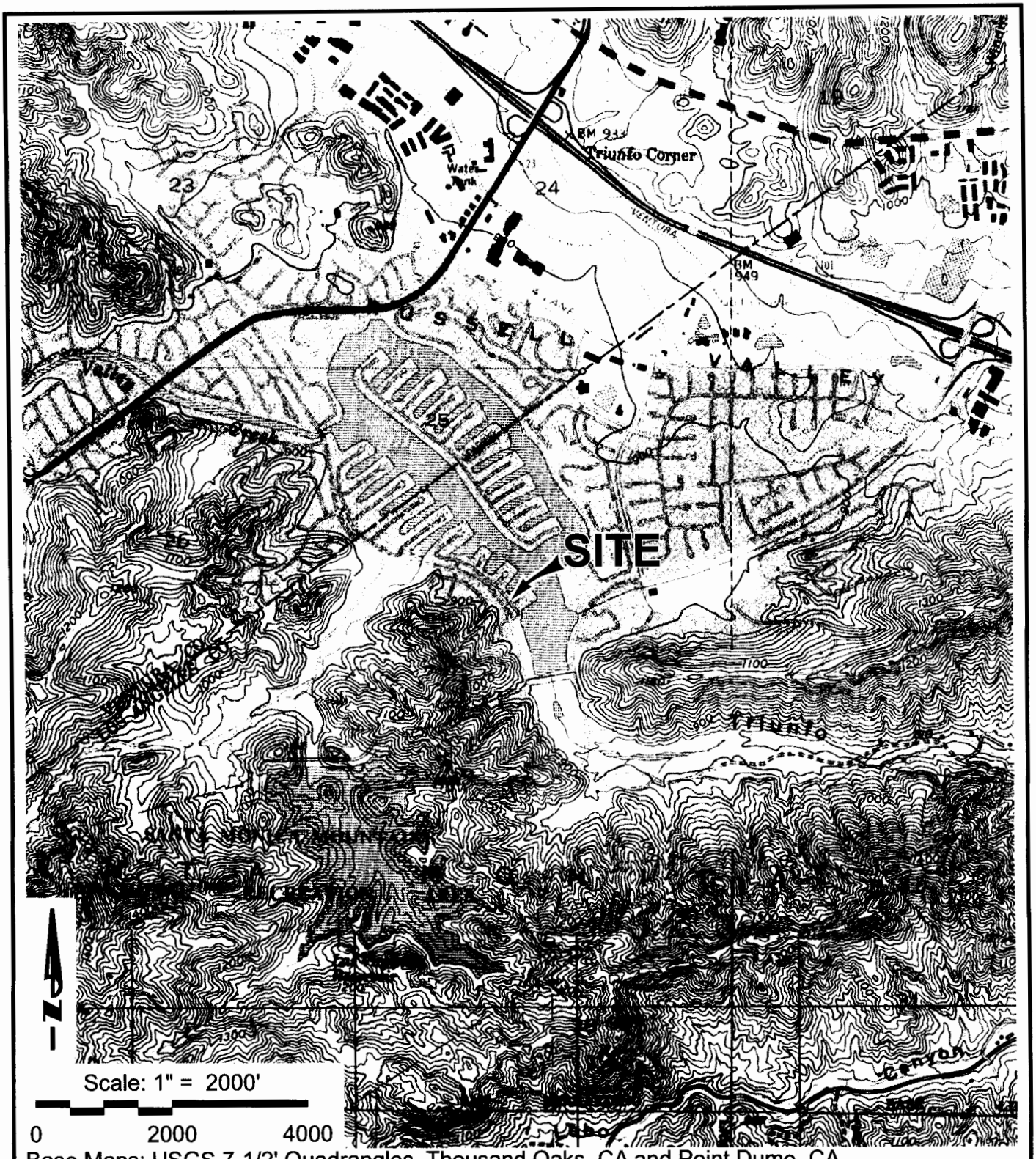
6.0 PROFESSIONAL DECLARATION

This document was prepared under the direction and supervision of David M. Van Horsen, a California Professional Geologist with expertise in these types of projects. His signature and stamp appear below:



David M. Van Horsen

David M. Van Horsen
CA Certified Engineering Geologist #2418
August 29, 2011



Base Maps: USGS 7-1/2' Quadrangles, Thousand Oaks, CA and Point Dume, CA

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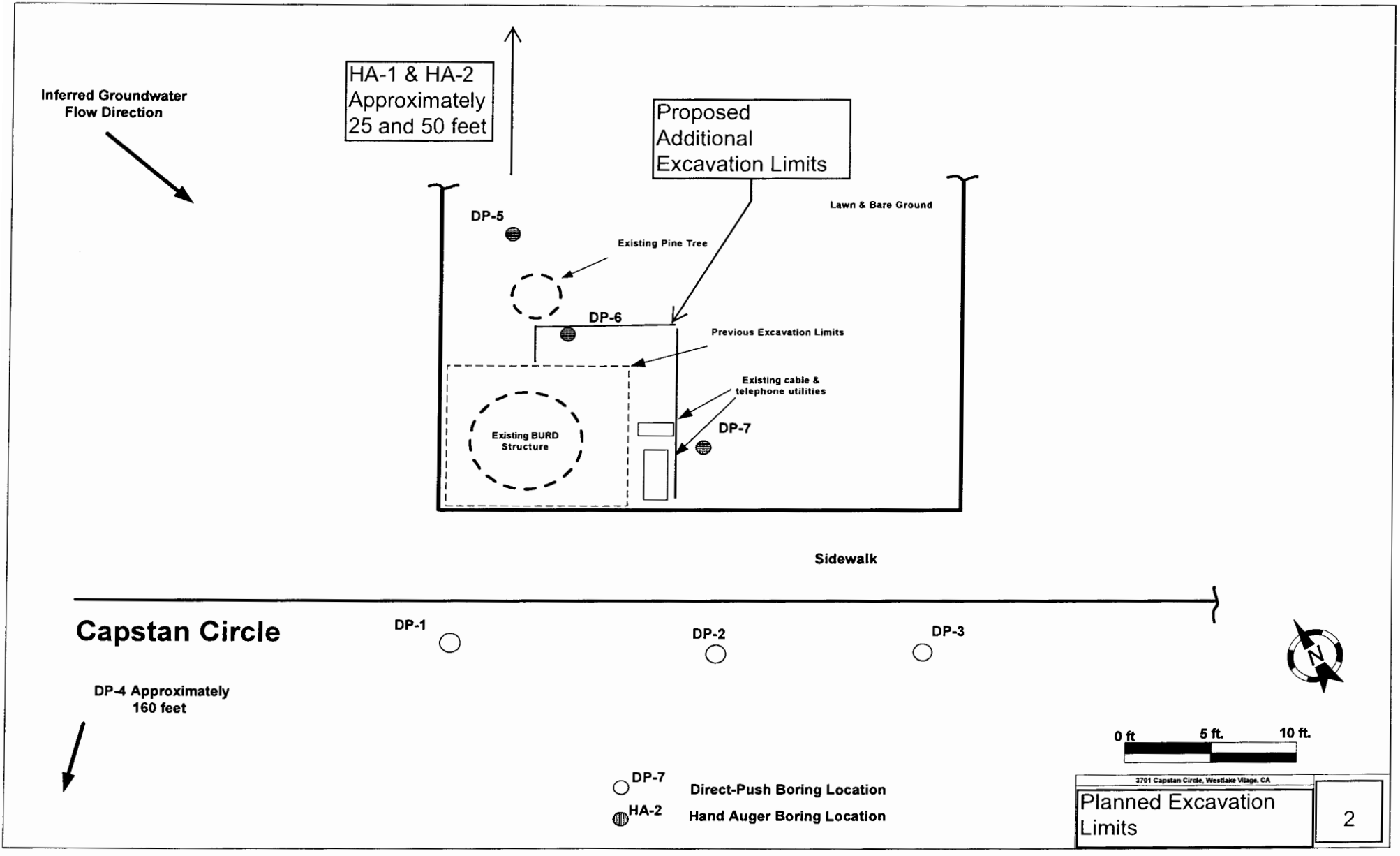
Engineering And Technical Services
GEOTECHNICAL GROUP

Figure 1
Site Location

3701 Capstan Circle
Westlake Villiage, CA


Inferred Groundwater Flow Direction
HA-1 & HA-2 Approximately 25 and 50 feet
Proposed Additional Excavation Limits
Lawn & Bare Ground
DP-5
Existing Pine Tree
DP-6
Previous Excavation Limits
Existing cable & telephone utilities
DP-7
Existing BURD Structure
Sidewalk
Capstan Circle
DP-1
DP-2
DP-3
N
DP-4 Approximately 160 feet
0 ft
5 ft.
10 ft.
DP-7
Direct-Push Boring Location
HA-2
Hand Auger Boring Location
3701 Capstan Circle, Westlake Village, CA
Planned Excavation Limits
2

ATTACHMENT # 2

SCE Site Assessment Work Plan dated October 22, 2010
Los Angeles RWQCB Approval Letter dated November 3, 2010
SCE RWQCB Geotracker Submittal Letter dated November 8, 2010
SCE Extension Request dated December 10, 2010
Los Angeles RWQCB Approval Letter dated December 20, 2010

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November 3, 2010

Peter J. Raftery, PG, CHG
Engineering Geologist
Los Angeles Regional Water Quality Control Board
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

Certified Mail Receipt #: 7010 0780 0000 5788 7567

Subject: Site Cleanup Program Oversight Cost Reimbursement Account
File Number: Spill Cleanup Program No. 1254

Site Name: SCE - Westlake Village (Structure # 5024599)
Near Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California

Dear Mr. Raftery:

Southern California Edison Company (SCE) respectfully submits Enclosure (1) Site Assessment Work Plan for the field investigative sampling activity for the site listed above. As requested, SCE will upload an electronic copy of this submittal to Geotracker. If you have any questions and/or need any additional information, please feel free to call me at (626) 302-4845.

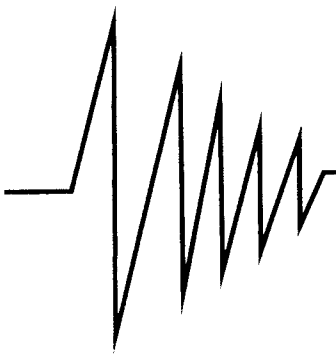
Sincerely,

Mary Zepeda
Project Manager
Operations Support Business Unit
Corporate Environment, Health & Safety
Water/Waste Division
Technical Services and Program Management Section
Southern California Edison

Cc: Eric Hodder
David Van Horsen
Joshua Nichols
Kenny Herrera
Miguel Flores

Enclosure:
(1) Site Assessment Work Plan

P.O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770



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SITE ASSESSMENT WORK PLAN
NEAR THE INTERSECTION OF TRIUNFO CANYON ROAD AND CAPSTAN CIRCLE
WESTLAKE VILLAGE, CALIFORNIA
SCE STRUCTURE #5024599
SITE CLEANUP CASE NUMBER SCP #1254

Prepared By: Southern California Edison Company
Engineering & Technical Services
Civil/Structural/ Geotechnical Group

October 22, 2010

Site Assessment Work Plan
Near the Intersection of Triunfo Canyon Road and Capstan Circle
Westlake Village, California, 91361
Case Number: (SCP #1254)
SCE Westlake Village Structure Number: 5024599

1.0 INTRODUCTION

This Southern California Edison Company (SCE) Site Assessment Work Plan is for soil and groundwater sampling activities following a mineral oil release from a Buried Underground Residential Distribution (BURD) transformer located near the intersection of Triunfo Canyon Road and Capstan Circle (Figure 1). The BURD transformer is located below grade in the front yard of a single-family residence in Westlake Village, CA (Figure 2).

On July 18, 2010 SCE discovered that the BURD transformer at above subject property had released approximately 30 gallons of mineral oil. Following the release, initial remediation activities obtained 5 soil samples from the bottom of a 3' x 3 ½' excavation. One mineral oil sample from the transformer was also collected for Polychlorinated Biphenyls (PCB) determination. The analytical laboratory results for mineral oil indicated a PCB concentration of 166 parts per million (ppm). The analytical laboratory results for soil indicated a concentration of PCBs ranging from 0.19 ppm to 1.5 ppm. While conducting further remediation activities on August 9, 2010, SCE obtained 4 soil samples (at 8 feet) and 1 groundwater sample (at 9 feet) from the bottom of a 9 foot deep excavation. PCB concentrations in soil ranged from less than 0.02 ppm to 6.4 ppm. The water sample showed the presence of PCBs at a concentration of 1.9 milligrams/liter.

Based on these analytical results, the Los Angeles Regional Water Quality Control Board requested additional sampling of groundwater and soil samples to determine the extent of PCB contamination.

1.1 Site Geology and Groundwater Conditions

The project site is located within an alluvial valley in the Santa Monica Mountains. According to the Dibblee Geologic Map of the Thousand Oaks Quadrangle (1993) the site is on Quaternary alluvial sand and gravel. The residential subdivision appears to have been created by excavating the alluvial gravels along Triunfo Creek to the underlying bedrock to create a lake. It is thought that artificial fill was placed on the excavated surfaces for the building pads.

This site is unique because the enlarging of Triunfo Creek created a man-made recreational lake. Water in this lake is not used for drinking water purposes. Based on the excavation activities described above the water level at the project site is

approximately 9 feet below ground surface (bgs). This shallow depth is probably representative of the surrounding recreational lake.

2.0 SCOPE OF WORK

The scope of this investigation includes:

- Completion of 6 direct push or hand auger borings to an approximate depth of 12 feet bgs.
- Collection of 1 soil sample from location from the soil-water interface.
- Collection of 1 groundwater sample from each location.
- Analytical testing of the collected soil and groundwater samples.
- Preparation of an investigation report.

Observations from recent soil removal activities indicate groundwater is present at 8 feet bgs. The shallow depth to groundwater indicates local infiltration from an adjacent man-made lake, not a regional condition. Figure 2 provides the general layout of the site and locations of the proposed sampling points. A site specific health and safety plan was prepared for this project and is included as Appendix A.

3.0 FIELD INVESTIGATION

3.1 Soil Sampling

Soil samples will be collected from the soil-water interface by either hand auger or direct-push sample techniques. Soil samples will be collected into either acetate probe liners or laboratory supplied glass jars. All soil samples will be sent to a state-certified analytical laboratory for analysis. All samples shall be individually analyzed. At the end of drilling, the boring will be backfilled with bentonite chips, hydrated, and the surface repaired. The soil cuttings will be contained in drums and properly labeled until receipt of the analytical testing.

A soil boring log will be maintained for all soil sampling operations as a record of visual descriptions made in the field. The log will be completed by the geologist or engineer supervising the soil sampling operations. This log will contain a detailed description of the soil encountered per American Society Testing & Methods (ASTM) Method D2488-84. The descriptions will include appropriate information such as organic material content, grain size distribution, plasticity, mottling, color, odor, relative moisture content, consistency, density, grain shape and lithology, and the Unified Soil Classification System (USCS) group symbol. All soil sampling operations will be conducted under the direction or supervision of a California Professional Geologist.

All soil sampling equipment and associated tools including hand-augers and split-spoon samplers will be decontaminated by a three-step process:

- Scrubbing with potable water to remove soil particles
- Washing with a non-phosphate detergent
- Rinsing with potable water

Drilling and sampling equipment will be cleaned and decontaminated before arriving on site. All decontamination water will be contained in drums and labeled properly until receipt of laboratory analysis.

3.2 Groundwater Sampling

One groundwater sample from each boring will be collected with either a pre-cleaned, disposable bailer or peristaltic pump. The groundwater sample will be placed into laboratory provided glassware and sent to a state-certified analytical laboratory. The sample container will be pre-preserved if preservation is necessary. The groundwater sample will be analyzed for the same analytes as the soil samples. All groundwater sampling will be conducted under the direction or supervision of a California Professional Geologist.

4.0 ANALYTICAL TESTING

Soil and groundwater samples will be analyzed for PCBs. Appropriate containers, preservation, and analytical holding times are presented in Table 4-1.

Table 4-1 Sample Containers and Preservation

Media	Parameters (EPA Method)	Container	Preservation	Analytical Holding Time
Soil	PCB (8082)	Acetate sleeve or glass jar	Cool to 4° C	14 days (extraction) 40 days (analysis)
Groundwater	PCB (8082)	1 1-Liter amber glass bottle	Cool to 4° C	7 days (extraction) 40 days (analysis)

The project location, sampling date and time, sample containers, requested analyses, person(s) collecting and relinquishing the samples, and sample identification will be indicated on the chain-of-custody (COC) record. Each sample collected shall be labeled with the following information:

- Project name and number
- Boring & sample number and depth
- Date/time of collection
- Requested Analysis

Each acetate sleeve will be sealed with Teflon film and plastic end caps and placed inside an appropriate sized cooler and packed with adequate temperature controls to maintain sample integrity until receipt by the laboratory. All samples will be transported to the laboratory by field personnel, or laboratory courier. Sample bottles for soil and groundwater sampling will be provided by the laboratory in quality-controlled containers. All samples will be accompanied by a properly completed COC form. The sample numbers and locations will be listed on the COC form and will match the information on the individual sample labels. When transferring the possession of samples, the individual relinquishing and receiving will sign, date, and note the time on the record.

Duplicate samples of both soil and groundwater will be collected at a rate of 10% of the total collected for each media. An equipment rinsate blank will also be collected by pouring water provided by the laboratory over a decontaminated piece of equipment.

5.0 REPORTING

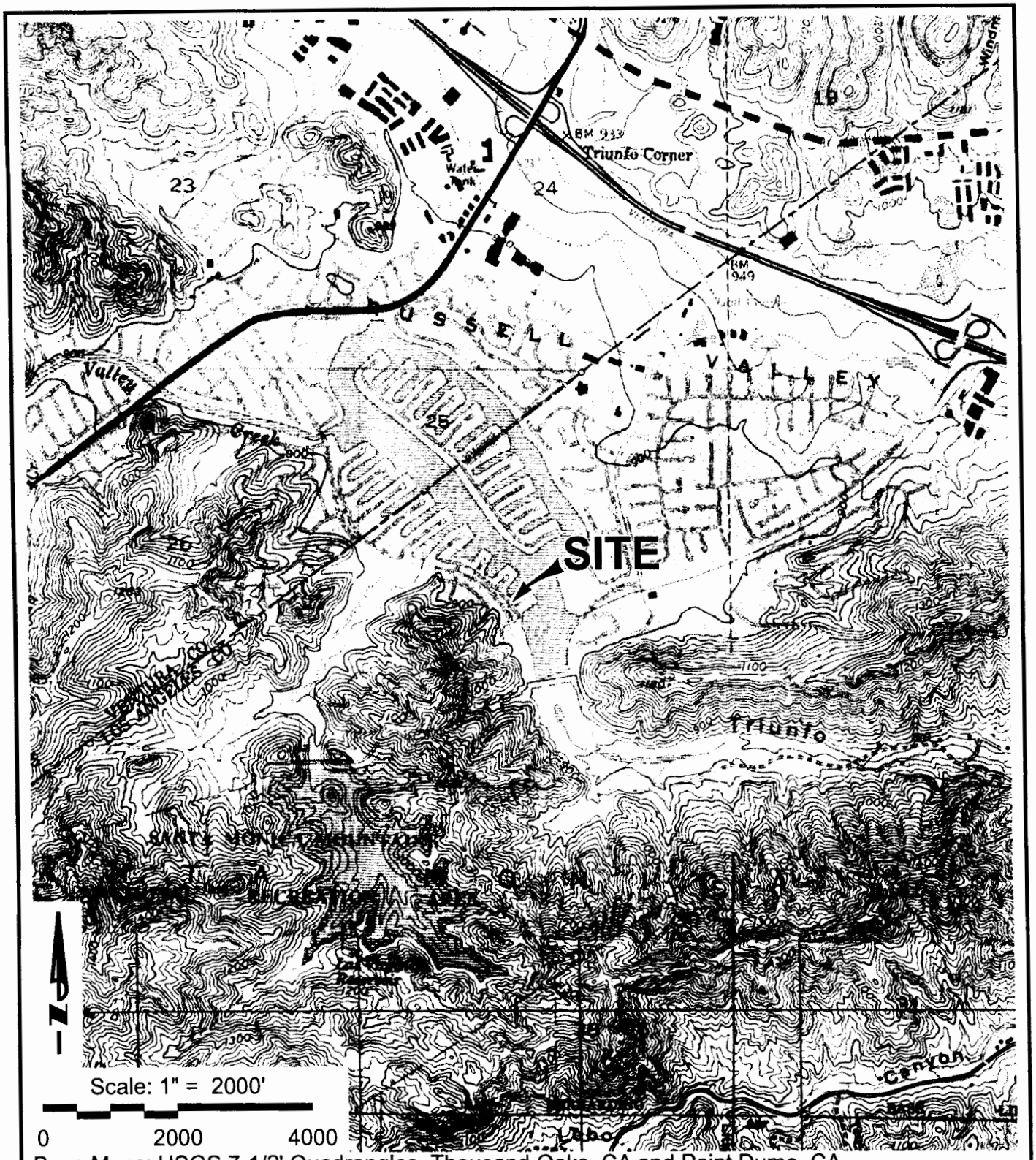
After field operations are complete and the analytical laboratory data received, a Site Assessment Report will be prepared. This report will describe the field activities and present results of the analytical testing. Figures and tables will be prepared to support the text, as necessary. A soil boring log and copy of the COC will also be included. Recommendations regarding findings will be offered. The report will be stamped by a California Professional Geologist.

6.0 PROFESSIONAL DECLARATION

This document was prepared under the direction and supervision of David M. Van Horsen, a California Professional Geologist with expertise in these types of projects. His signature and stamp appear below:

David M. Van Horsen
CA Certified Engineering Geologist # 2418
October 22, 2010

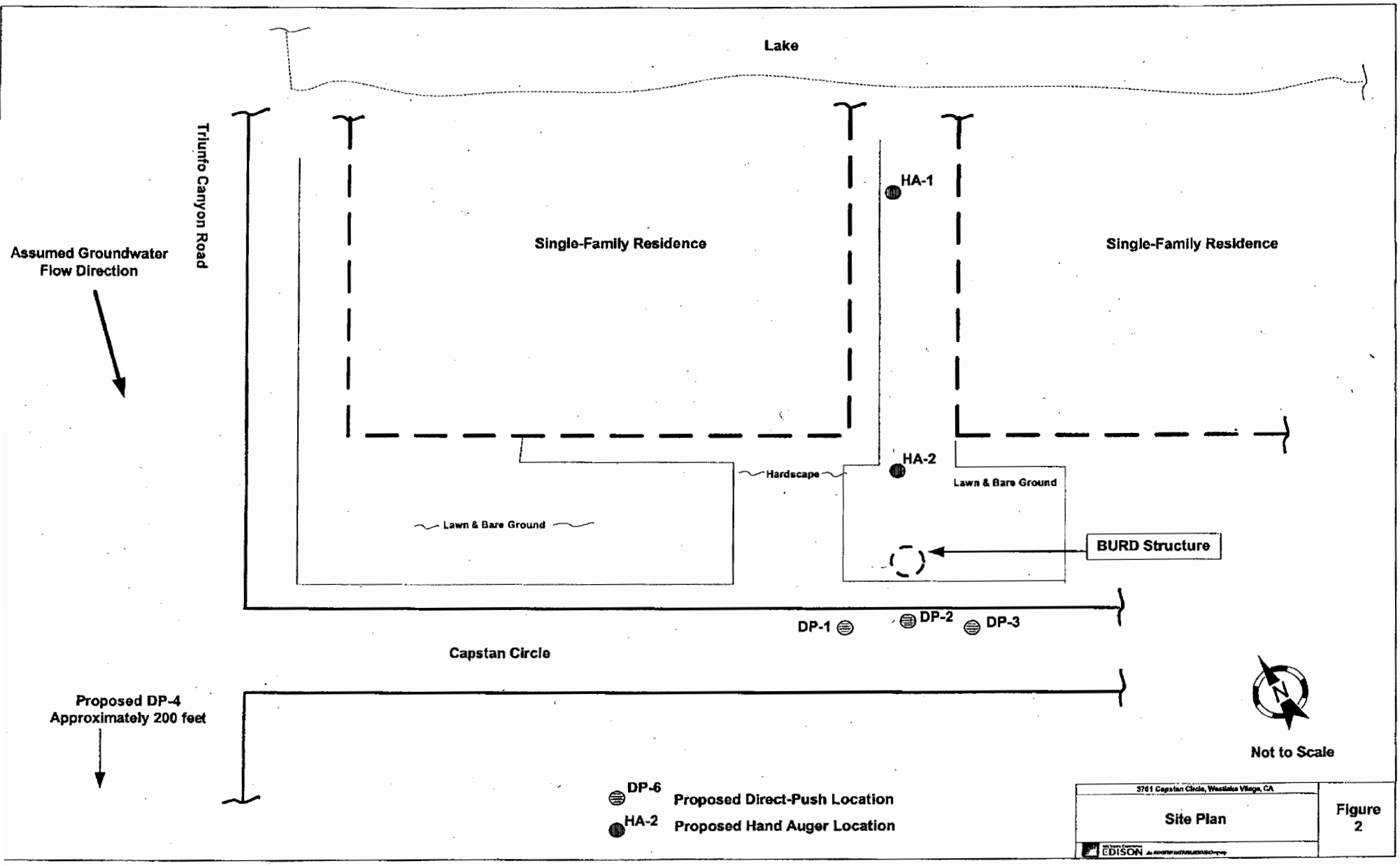
FIGURES



SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

Figure 1
Site Location

3701 Capstan Circle
Westlake Villiage, CA


Lake
Triunfo Canyon Road
Assumed Groundwater Flow Direction
Single-Family Residence
Single-Family Residence
HA-1
HA-2
Hardscape
Lawn & Bare Ground
Lawn & Bare Ground
BURD Structure
DP-1
DP-2
DP-3
Capstan Circle
Proposed DP-4 Approximately 200 feet
N
Not to Scale
DP-6 Proposed Direct-Push Location
HA-2 Proposed Hand Auger Location
3761 Capstan Circle, Westlake Village, CA
Site Plan
EDISON
Figure 2

APPENDIX A

SITE HEALTH AND SAFETY PLAN

SITE SAFETY AND HEALTH PLAN

CLIENT: OS CEH&S TECHNICAL SVCS/PRG MNGMNT GRP **CLIENT CONTACT**: Mary Zepeda
CLIENT CELL: 626-484-6874 **CLIENT OFFICE TELEPHONE**: 626-302-4845

SITE NAME: BURD Transformer (Intersection of Triunfo Road and Capstan Circle)
SITE ADDRESS: 3701 Capstan Circle, Westlake Village, CA 91361
SITE CONTACT: Miguel Flores
DATE: October 22, 2010 **SSHP EXPIRATION**: March 31, 2011

PROJECT MANAGER: Miguel Flores
FIELD MANAGER: David Van Horsen/Ethan Carlisle
SUBCONTRACTOR: Gregg Drilling & Testing

DISCLAIMER

This Site Safety and Health Plan have been written for the use of SCE and its employees. It may also be used as a guidance document by properly trained and experienced SCE subcontractors. However, SCE does not guarantee the health or safety of any person entering the site.

Due to the nature of the site and the activity occurring thereon, it is not possible to discover, evaluate, and provide protection for all possible hazards which may be encountered. Strict adherence to the health and safety guidelines set forth herein will reduce, but not eliminate, the potential for injury on the site. The health and safety guidelines in this plan were prepared specifically for this site and should not be used on any other site without prior research by trained health and safety specialists. All personnel participating in the field must be trained in the general and specific hazards unique to the job and, if applicable, participate in a medical surveillance program. SCE claims no responsibility for use of this plan by others. The plan is written for the specific site conditions, purposes, dates, and personnel specified and must be amended if these conditions change.

I. Project Information

A) Facility Site Description:

The Buried Underground Residential Distribution (BURD) transformer is located near the intersection of Triunfo Road and Capstan Circle. The BURD structure is located in the front yard of a personal residence at 3701 Capstan Circle, Westlake Village, CA.

B) Site Map:

A copy of the site plan prepared for the sampling and analysis plan is attached.

1) Entry & emergency access: Triunfo Road
2) Work Location: Front and side yard of personal residence at 3701 Capstan Circle, Westlake Village, and in street on Capstan Circle.
3) Spill Location: BURD transformer in front yard of personal residence listed above.
4) Location of borings: Front and side yard of personal residence listed above, and in street on Capstan Circle.

C) Background Information and Level of Contamination Found:

On July 18, 2010 SCE discovered that the BURD transformer at above subject property had released approximately 30 gallons of mineral oil. Following the release, initial remediation activities obtained 5 soil samples from the bottom of a 3' x 3 ½' excavation. One mineral oil sample from the transformer was also collected for Polychlorinated Biphenyls (PCB) determination. The analytical laboratory results for mineral oil indicated a PCB concentration of 166 parts per million (ppm). The analytical laboratory results for soil indicated a concentration of PCBs ranging from 0.19 ppm to 1.5 ppm. While conducting further remediation activities on

August 9, 2010, SCE obtained 4 soil samples (at 8 feet) and 1 groundwater sample (at 9 feet) from the bottom of a 9 foot deep excavation. PCB concentrations in soil ranged from less than 0.02 ppm to 6.4 ppm. The water sample showed the presence of PCBs at a concentration of 1.9 milligrams/liter. Based on these analytical results, the Los Angeles Regional Water Quality Control Board requested additional sampling of groundwater and soil samples to determine the extent of PCB contamination.

D) Scope of Work:

Advance six soil borings to depths of 12 feet (bgs); collection of 1 soil sample and 1 groundwater sample from each boring.

E) Written Work Plan:

Agency-approved work plan held on site.

F) SCE Employees:

Project Manager:	Miguel Flores
Field Supervisor:	David Van Horsen/Ethan Carlisle
Site Safety Officer:	David Van Horsen/Ethan Carlisle

II. Job Hazard Analysis

A) Expected Job Tasks:

Set up drill rig; decontaminate equipment; soil and groundwater sample collection; abandon borings with bentonite, cleanup site.

B) Job Hazards:

Heat Stress; Slip-trip-fall injuries; Drill rig pinch/crush points; Noise; Contact with overhead and buried electrical lines

All site personnel will be required to wear basic personal protective equipment such as safety shoes and glasses, hardhats and hearing protection.

Job site is in residential neighborhood and will require traffic control

B) Utility Clearance:

1) Call Dig Alert : Will have ticket on site
2) Field clearance done by: USA and SCE contractor
3) List Instruments used:

III. Health Risk Analysis

A) Summary of Potential Exposure Pathways.

Skin contact with oily material; inhalation of vapors or particulates; ingestion of oily material.

Skin contact will be minimized by the use of gloves. Inhalation of particulates during drilling or sampling will be minimized by the use of water, if dust levels are significant and long-lasting. Personal hygiene procedures (washing of hands before eating) should be observed by all personnel to minimize potential ingestion of oily material.

B) Chemical Hazard Data

See attached MSDS for mineral oils and PCB commonly used by SCE.

C) Overall Rating of Risk due to Project Hazards

Serious Moderate **Low**

IV. Air Monitoring Equipment/Personal Protective Equipment and Action Levels

Monitoring is to be conducted and interpreted by the Site Safety Officer or designee, and will be performed on a periodic basis. Periodic is defined as adequate characterization before, during and after each task/activity. Monitoring should continue on a continuous basis until the operation is stable and the SSO feel that the monitoring is sufficient to adequately assess and characterize exposure during that operation. Upon task/environmental/activity stabilization, periodic monitoring, every 30 minutes is required to verify the initial exposure assessment to all chemicals identified as necessary below. Additional characterization monitoring shall begin immediately if the operation destabilizes, the environment changes, or the potential for exposure is otherwise affected.

A) Monitoring Instruments/Direct Reading Instruments

Minirae 2000 Photoionization detector or similar will be used for monitoring.

G) Personal Protective Equipment

Level D PPE will be used for this project. This includes safety shoes and glasses, hearing protection (plugs or muffs) and hard hat. Nitrile gloves will be used when handling oily soils and during groundwater sampling.

V. Decontamination/Investigation Derived Waste Generation

A) Sampling Equipment/Samples

3 Step decontamination procedures:

- Scrubbing with potable water to remove soil particles
- Washing with a non-phosphate detergent
- Rinsing with potable water

B) Personal Protective Equipment

- Any PPE in contact with oils should be placed in a drum.
- Disposables will be placed in a drum.

C) Heavy Equipment

- Decontaminate augers as necessary and contain run-off.

D) Investigation-Derived Waste Handling

1) Drill cuttings to be placed in properly labeled drums.
2) Liquid generated during decontamination or sampling shall be stored in drums.
3) Disposable protective equipment to be placed in drum with drill cuttings.
4) Dust generated by site activities will be mitigated by application of water, as necessary.

VI. Site Access Procedure

On-Site Command Post: Field Manager vehicle

General: Cones, barrier tape, etc. will be utilized to segregate work area, as necessary.

Work Area Access: Limited to SCE personnel and contractors necessary to complete investigation tasks. Stop work and re-locate cones and barrier tape to allow for residential traffic.

VII. Emergency Procedures:

First Aid if exposed to pure mineral oil:

Eye Contact:	Irrigate Immediately
Skin Contact:	Remove clothing and wash with soap and water.
Breathing:	Move victim to fresh air.
Ingestion:	Do not induce vomiting. Seek medical attention.

Nearest Telephone: Field Manager cell phone.

EMERGENCY PHONE NO: **911**

SCE OPERATOR: **626-302-1212**

NEAREST HOSPITAL: Columbia Los Robles Hospital (see attached map)

VII. Log Sheet & Tail Gate Meetings

A) Daily Tail Gate Meeting Log Sheet

Attached

Daily Tailgate Safety Meeting Log Sheet

Project:
Date:

Name:	**Company:**

MSDS for Mineral Oil and PCB

Monsanto*

Material Safety Data

Emergency Phone No.
CHEMTREC
800-424-9300

POLYCHLORINATED BIPHENYLS (PCBs)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POLYCHLORINATED BIPHENYLS (PCBs)
Aroclor® Series 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, 1268
Therminol® FR Series

Date : 9/2004

Chemical Family:	Chlorinated Hydrocarbons
Chemical Name:	Polychlorinated biphenyls
Synonyms:	PCBs, Chlorodiphenyls, Chlorinated biphenyls

Trade Names/Common Names:

PYRANOL® and INERTEEN® are trade names for commonly used dielectric fluids that may have contained varying amounts of PCBs as well as other components including chlorinated benzenes.

ASKAREL is the generic name for a broad class of fire resistant synthetic chlorinated hydrocarbons and mixtures used as dielectric fluids that commonly contained about 30 - 70% PCBs. Some ASKAREL fluids contained 99% or greater PCBs and some contained no PCBs.

PYDRAUL® was the trade name for hydraulic fluids that, prior to 1972, may have contained varying amounts of PCBs and other components including phosphate esters.

THERMINOL® FR-0, -1, -2, and -3 were the trade names for heat transfer fluids that, prior to 1972, contained PCBs. THERMINOL® fluids without the FR designation, including current THERMINOL® products, did not and do not contain PCBs.

The product names/trade names are representative of several commonly used Monsanto products (or products formulated with Monsanto products). Other trademarked PCB products were marketed by Monsanto and other manufacturers. PCBs were also manufactured and sold by several European and Asian companies. Contact the manufacturer of the trademarked product, if not in this listing, to determine if the formulation contained PCBs.

In 1972, Monsanto restricted sales of PCBs to applications involving only closed electrical systems, (transformers and capacitors). In 1977, all manufacturing and sales were voluntarily terminated. In 1979, EPA restricted the manufacture, processing, use, and distribution of PCBs to specifically exempted and authorized activities.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT
Call CHEMTREC - Day or Night - 800-424-9300 Toll free in the continental U.S., Hawaii, Puerto Rico, Canada, Alaska, or Virgin Islands. For calls originating elsewhere, call 202-483-7616 (collect calls accepted).

For additional nonemergency information, call 314-480-1677.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemically, commercial PCBs are defined as a series of technical mixtures, consisting of many congeners, that vary from mobile, oily liquids to white crystalline solids and hard noncrystalline resins. Technical products vary in composition, in the degree of chlorination, and possibly according to batch.

The mixtures generally used contain an average of 3 atoms of chlorine per molecule (42% chlorine) to 5 atoms of chlorine per module (54% chlorine). They were used as components of dielectric fluids in transformers and capacitors. Prior to 1972, PCB applications included heat transfer media, hydraulic and other industrial fluids, plasticizers, carbonless copy paper, paints, inks, and adhesives.

Component	CAS No.
chlorinated biphenyl	1336-36-3
Aroclor 1016	12674-11-2
Aroclor 1221	11104-28-2
Aroclor 1232	11141-16-5
Aroclor 1242	53469-21-9
Aroclor 1248	12672-29-6
Aroclor 1254	11097-69-1
Aroclor 1260	11096-82-5
Aroclor 1262	37324-23-5
Aroclor 1268	11100-14-4

There are also CAS Numbers for individual PCB congeners and for mixtures of Aroclor® products.

PCBs are identified as hazardous chemicals under criteria of the OSHA Hazard Communication Standard (29 CFR Part 1910.1200). PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Annual Report on Carcinogens (Tenth).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: PCB mixtures range in form and color from clear to amber liquids to white crystalline solids. They have a mild, distinctive odor and are not volatile at room temperature. Refer to Section 9 for details.

WARNING!
CAUSES EYE IRRITATION
MAY CAUSE SKIN IRRITATION

PROCESSING AT ELEVATED TEMPERATURES MAY RELEASE VAPORS OR FUMES WHICH MAY CAUSE RESPIRATORY TRACT IRRITATION

POTENTIAL HEALTH EFFECTS

Likely Routes of Exposure: Skin contact and inhalation of heated vapors

Eye Contact: Causes moderate irritation based on worker experience.

Skin Contact: Prolonged or repeated contact may result in redness, dry skin and defatting based on human experience. A potential exists for developing chloracne. PCBs can be absorbed through intact skin.

Inhalation: Due to the low volatility of PCBs, exposure to this material in ambient conditions is not expected to produce adverse health effects. However, at elevated processing temperatures, PCBs may produce a vapor that may cause respiratory tract irritation if inhaled based on human experience.

Ingestion: No more than slightly toxic based on acute animal toxicity studies. Coughing, choking and shortness of breath may occur if liquid material is accidentally drawn into the lungs during swallowing or vomiting.

Other:

Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed populations, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove any contact lenses. Get medical attention. Remove material from skin and clothing.

IF ON SKIN, immediately flush the area with plenty of water. Wash skin gently with soap as soon as it is available. Get medical attention if irritation persists.

IF INHALED, remove person to fresh air. If breathing is difficult, get medical attention.

IF SWALLOWED, do NOT induce vomiting. Rinse mouth with water. Get medical attention. Contact a Poison Control Center. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON

NOTE TO PHYSICIANS: Hot PCBs may cause thermal burn. If electrical equipment arcs between conductors, PCBs or other chlorinated hydrocarbon dielectric fluids may decompose to produce hydrochloric acid (HCl), a respiratory irritant. If large amounts are swallowed, gastric lavage may be considered.

5. FIRE FIGHTING MEASURES

Flash Point: 284 degrees F (140 degrees C) or higher depending on the chlorination level of the Aroclor product

Fire Point. 349 degrees F (176 degrees C) or higher depending on the chlorination level of the Aroclor product

NOTE: Refer to Section 9 for individual flash points and fire points.

Extinguishing Media: Extinguish fire using agent suitable for surrounding fire. Use dry chemical, foam, carbon dioxide or water spray. Water may be ineffective. Use water spray to keep fire-exposed containers or transformers cool.

PCBs are fire-resistant compounds. They may decompose to form CO, C02, HCl, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surfaces.

Dielectric fluids having PCBs and chlorinated benzenes as components have been reported to produce polychlorinated dibenzo-p-dioxins (PCDDs) and furans (PCDFs) during fire situations involving electrical equipment. At temperatures in the range of 600-650 degrees C in the presence of excess oxygen, PCBs may form polychlorinated dibenzofurans (PCDFs). Laboratory studies under similar conditions have demonstrated that PCBs do not produce polychlorinated dibenzo-p-dioxins (PCDDs).

Federal regulations require all PCB transformers to be registered the U.S. Environmental Protection Agency.

If a PCB transformer is involved in a fire-related incident, the owner of the transformer may be required to report the incident. Consult and follow appropriate federal, state and local regulations.

Fire Fighting Equipment: Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and disposal of liquid PCBs and other PCB items are strictly regulated by the federal government. The regulations are found at 40 CFR Part 761. Consult these regulations as well as applicable state and local regulations prior to any cleanup or disposal of PCBs, PCB items, or PCB contaminated items.

If PCBs leak or are spilled, the following steps should be taken immediately:

All nonessential personnel should leave the leak or spill area.

The area should be adequately ventilated to prevent the accumulation of vapors.

The spill/leak should be contained. Loss to sewer systems, navigable waterways, and streams should be prevented. Spills/leaks should be removed promptly by means of absorptive material, such as sawdust, vermiculite, dry sand, clay, dirt or other similar materials, or trapped and removed by pumping or other suitable means (traps, drip-pans, trays, etc.).

Personnel entering the spill or leak area should be furnished with appropriate personal protective equipment and clothing as needed. Refer to Section 8 for personal protection equipment and clothing.

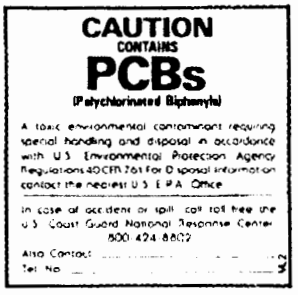
Personnel trained in emergency procedures and protected against attendant hazards should shut off sources of PCBs, clean up spills, control and repair leaks, and fight fires in PCB areas.

Refer to Section 13 for disposal information and Sections 14 and 15 for information regarding reportable quantity, and Section 7 for marking information.

7. HANDLING AND STORAGE

Care should be taken to prevent entry into the environment through spills, leakage, use vaporization, or disposal of liquid or containers. Avoid prolonged breathing of vapors or mists. Avoid contact with eyes or prolonged contact with skin. If skin contact occurs, remove by washing with soap and water. Following eye contact, flush with water. In case of spillage onto clothing, the clothing should be removed as soon as practical, skin washed, and clothing laundered. Comply with all federal, state, and local regulations.

Federal regulations under the Toxic Substances Control Act require PCBs, PCB items, storage areas, transformer vaults, and transport vehicles to be marked (check regulations, 40 CFR 761, for details).



Storage: The storage of PCB items or equipment (those containing 50 ppm or greater PCBS) and PCB waste is strictly regulated by 40 CFR Part 761. The storage time is limited, the storage area must meet physical requirements, and the area must be labeled.

Avoid contact with eyes.
Wash thoroughly after handling.
Avoid breathing processing fumes or vapors.
Process using adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear chemical splash goggles and have eye baths available where there is significant potential for eye contact.

Skin Protection: Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine the appropriate type glove for a given application. Wear chemical goggles, face shield, and chemical resistant clothing such as a rubber apron when splashing is likely. Wash immediately if skin is contacted. Remove contaminated clothing promptly and launder before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

ATTENTION! Repeated or prolonged skin contact may cause chloracne in some people.

Respiratory Protection: Avoid breathing vapor, mist, or dust. Use NIOSH/MSHA approved equipment when airborne exposure limits are exceeded. Full facepiece equipment is recommended when airborne exposure limits are exceeded and, if used, replaces the need for face shield and/or chemical splash goggles. Consult respirator manufacturer to determine the type of equipment for a given application. The respirator use limitations specified by NIOSH/MSHA or the manufacturer must be observed. High airborne concentrations may require use of self-contained breathing apparatus or supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR Part 1910.134.

ATTENTION! Repeated or prolonged inhalation may cause chloracne in some people.

Ventilation: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of vapor or mist, such as open process equipment.

Airborne Exposure Limits:

Product: Chlorodiphenyl (42% chlorine)

OSHA PEL: 1 mg/m^3 8-hour time-weighted average - Skin*
ACGIH TLV: 1 mg/m^3 8-hour time-weighted average - Skin*

Product: Chlorodiphenyl (54% chlorine)

OSHA PEL: 0.5 mg/m^3 8-hour time-weighted average - Skin*
ACGIH TLV: 0.5 mg/m^3 8-hour time-weighted average - Skin*

*For Skin notation see Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices, American Conference of Governmental Industrial Hygienists, 2003.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES OF SELECTED AROCLORS®

PROPERTY	1016	1221	1232	1242	1248	1254	1260
Color (APHA)	40	100	100	100	100	100	150
Physical state	mobile oil	mobile oil	mobile oil	mobile oil	mobile oil	viscous liquid	sticky resin
Stability	inert	inert	inert	inert	inert	inert	inert
Density (lb/gal 25 °C)	11.40	9.85	10.55	11.50	12.04	12.82	13.50
Specific gravity x/15.5°C	1.36-1.37 x-25°	1.18-1.19 x-25°	1.27-1.28 x-25°	1.30-1.39 x-25°	1.40-1.41 x-65°	1.49-1.50 x-65°	1.55-1.56 x-90°
Distillation range (°C)	323-356	275-320	290-325	325-366	340-375	365-390	385-420
Acidity mg KOH/g, maximum	.010	.014	.014	.015	.010	.010	.014
Fire point (°C)	none to boiling point	176	238	none to boiling point	none to boiling point	none to boiling point	none to boiling point
Flash point (°C)	170	141-150	152-154	176-180	193-196	none	none
Vapor pressure (mm Hg @ 100°F)	NA	NA	0.005	0.001	0.00037	0.00006	NA
Viscosity (Saybolt Univ. Sec. @ 100°F) (centistokes)	71-81 13-16	38-41 3.6-4.6	44-51 5.5-7.7	82-92 16-19	185-240 42-52	1800-2500 390-540	-- --

NA-Not Available

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

Stability: PCBs are very stable, fire-resistant compounds.
Materials to Avoid: None
Hazardous Decomposition
Products: PCBs may decompose to form CO, CO_2 HCl, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surface.
Hazardous Polymerization: Does not occur.

11. TOXICOLOGICAL INFORMATION

Data from laboratory studies conducted by Monsanto and from the available scientific literature are summarized below.
Single exposure (acute) studies indicate:
Oral - Slightly Toxic (Rat LD50 - 8.65 g/kg for 42% chlorinated; 11.9 g/kg for 54% chlorinated)

The liquid products and their vapors are moderately irritating to eye tissues. Animal experiments of varying duration and at different air concentrations show that for similar exposure conditions, the 54% chlorinated material produces more liver injury than the 42% chlorinated material.

There are literature reports that PCBs can impair reproductive functions in laboratory monkeys. Literature reports of earlier chronic feeding studies of laboratory rodents provided sufficient evidence that Aroclor 1260 could cause liver cancer when fed at high doses. Similar experiments with less chlorinated PCB products produced negative or equivocal results. A recent literature report of a chronic feeding study of Aroclor 1260, Aroclor 1254, Aroclor 1242, and Aroclor 1016 provided evidence that all four mixtures caused cancer in rodent livers.

The consistent finding in animal studies is that PCBs produce liver injury following prolonged and repeated exposure by any route, if the exposure is of sufficient degree and duration. Liver injury is produced first, and by exposures that are less than those reported to cause cancer in rodents. Therefore, exposure by all routes should be kept sufficiently low to prevent liver injury.

Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed populations, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Tenth Annual Report on Carcinogens.

12. ECOLOGICAL INFORMATION

Care should be taken to prevent entry of PCBs into the environment through spills, leakage, use, vaporization or disposal of liquid or solids. PCBs can accumulate in the environment and can adversely affect some animals and aquatic life. In general, PCBs have low solubility in water, are strongly bound to soils and sediments, and are slowly degraded by natural processes in the environment.

13. DISPOSAL CONSIDERATIONS

The disposal of PCB items or equipment (those containing 50 ppm or greater PCBs) and PCB wastes is strictly regulated by 40 CFR Part 761. For example, all wastes and residues containing PCBs (wiping cloths, absorbent material, used disposable protective gloves and clothing, etc.) should be collected, placed in proper containers, marked and disposed of in the manner prescribed by EPA regulations (40 CFR Part 761) and applicable state and local regulations.

14. TRANSPORT INFORMATION

The data provided in this section are for information only. Please apply the appropriate regulations to properly classify a shipment for transportation.

DOT Classification:	IF WEIGHT OF PCBs TO BE SHIPPED IS OVER ONE POUND, THE FOLLOWING CLASSIFICATION AND LABEL APPLY.	
DOT Label:	LIQUID:	Environmentally Hazardous Substance, liquid, n.o.s. (Contains PCB), 9, UN 3082, III
	SOLID:	Environmentally Hazardous Substance, solid, n.o.s. (Contains PCB), 9, UN 3077, III
DOT Label:	Class 9	
DOT Reportable Quantity:	One pound	
IMO Classification:	Polychlorinated Biphenyls, IMO Class 9, UN 2315, II IMO Page 9034, EMS 6.1-02	
IATA/ICAO Classification:	Polychlorinated Biphenyls, 9, UN2315,II	

15. REGULATORY INFORMATION

For regulatory purposes, under the Toxic Substances Control Act, the term "PCBs" refers to a chemical substance limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances which contain such a substance (40 CFR Part 761).

TSCA Inventory: not listed.

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370): Immediate, Delayed.
SARA Section 313 Toxic Chemical(s): Listed-1993 (De Minimis concentration 0.1%.)

Reportable Quantity (RQ) under DOT (49 CFR), CERCLA Regulations and TSCA (40 CFR Part 761): 1 lb. (polychlorinated biphenyls) PCBs.

Release of more than 1 (one) pound of PCBs to the environment requires notification to the National Response Center (800-424-8802 or 202-426-2675).

Various state and local regulations may require immediate reporting of PCB spills and may also define spill cleanup levels. Consult your attorney or appropriate regulatory officials for information relating to spill reporting and spill cleanup.

16. OTHER INFORMATION

Reason for revision: Contact information change. Supersedes MSDS dated 7/99.

Therminol® is a registered trademark of Solutia Inc.
Aroclor® and Pydraul® were registered trademarks of Monsanto Company
Pyranol® is a registered trademark of General Electric Company
Inerteen® is a registered trademark of Westinghouse Electric Corporation

FOR ADDITIONAL NONEMERGENCY INFORMATION, CONTACT:

Robert G. Kaley, II, Ph.D.
200 S. Hanley Road
Suite 300
St. Louis, MO 63105
314-480-1677

* The former Monsanto Company, now known as Pharmacia Corporation, ceased manufacturing PCBs in 1977. This MSDS is provided as a convenience to former customers and users.

Bristol-Myers Squibb Company

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Information	
Product name	Mineral Oil USP
Version	4.0, 12/24/2008
Jurisdiction	This Material Safety Data Sheet was prepared for the jurisdiction USA.
Synonyms	Heavy mineral oil
Intended Uses	The material is used as a lubricant laxative. This material is used as a component in topical products.
Company/Undertaking Identification	
Address	**Bristol-Myers Squibb Company** P.O. Box 191 New Brunswick, New Jersey 08903 United States of America 1-732-227-7380
Emergency Phone Number	CHEMTREC 1-800-424-9300. For all international transportation emergencies call CHEMTREC at 1-703-527-3887. Collect calls accepted.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Concentration	CAS-No.
Hazardous components		
Mineral Oil	>= 99 %	8042-47-5
Other ingredients		
dl-alpha Tocopherol	<1 %	10191-41-0

3. HAZARDS IDENTIFICATION

Emergency Overview	
Appearance	liquid : colourless
Signal Word	Caution
Hazard Statements	Target Organs: lungs, gastrointestinal tract.
Precautionary Measures	Avoid contact with the eyes. Wear eye/face protection.
Potential Health Effects	
Eyes	Possible mild eye irritant
Skin	Mildly and/or transiently irritating to skin., Experimental data indicate that this material has low potential to cause acute toxicity by skin contact.
Ingestion	Experimental data indicate that this material has low potential to cause acute toxicity by ingestion. Material has a relatively high viscosity and potential for aspiration is low. However, if material is aspirated into the lungs, it may cause lung damage.
Inhalation	Inhalation of mineral oil mist or aerosol may cause lipoid pneumonia.
Target Organs	lungs, gastrointestinal tract
Signs and Symptoms	Acute: gastrointestinal discomfort, diarrhoea, loose stools. Chronic: shortness of breath, cough, noisy respiration.

Continued

3. HAZARDS IDENTIFICATION

Environmental Effects	Experimental data indicate low potential for acute harm to aquatic organisms.

4. FIRST AID MEASURES

Eye contact	Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention of irritation occurs.
Skin contact	Wash off with soap and water. Get medical attention of irritation occurs.
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Obtain medical attention.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
Notes to Physician	The material is used as a lubricant laxative. This material is used as a component in topical products. This product may cause: gastrointestinal discomfort, diarrhoea, loose stools, shortness of breath, cough, noisy respiration, Organs affected may include: lungs, gastrointestinal tract. Refer to Section 11.
Medical Surveillance	Employees who are pregnant, are breast-feeding, or who are concerned with other reproductive issues should be encouraged to consult with the occupational health physician monitoring worker's health.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not available
Extinguishing Media	Suitable extinguishing media: Dry chemical, Water spray, Foam Unsuitable extinguishing media: Do NOT use water jet.
Protection of Firefighters	Specific hazards: Possible mild eye irritant Protective equipment: Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus. Hazardous Combustion Products: carbon oxides(COx), nitrogen oxides (NOx)
Other information:	Decontaminate protective clothing and equipment before reuse.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Examples include tightly fitting safety goggles, lab coat and impervious gloves.
Environmental precautions	Prevent release to drains and waterways. Prevent release to the environment.
Containment Methods	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Cleanup Methods	Contain and collect spillage and place in container for disposal according to local regulations (see Section 13).

7. HANDLING AND STORAGE

Handling Precautions	Avoid inhalation of vapour or mist. Keep away from heat and sources of ignition. Prevent release to drains and waterways.
Storage Conditions	Store at room temperature. Protect against light. Keep away from heat, sparks and flames. Do not store near incompatible substances.

Continued

7. HANDLING AND STORAGE

Container Requirements	Store in sturdy containers appropriate to maintain the integrity of this material for its intended use. Keep tightly closed. Store in spill containment pallet or other device to confine spills.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)	Company Guideline	ACGIH	OSHA	NIOSH
Mineral Oil	--	10 mg/m3 STEL 5 mg/m3 TWA	5 mg/m3 TWA	10 mg/m3 STEL 5 mg/m3 TWA

Exposure Control Band	*1* -- Material is assigned to Exposure Control Band 1 (range 1,000 - 10,000 µg/m3).
Bristol-Myers Squibb Exposure Guidelines Summary	A specific exposure guideline has not yet been established.
Recommended Industrial Hygiene Monitoring Methods	Refer to applicable NIOSH, OSHA or ASTM methods for constituents.
Engineering Controls and Ventilation	When handling small quantities in a clinical setting, good room ventilation is desirable. Specific engineering controls should not be needed. When handling larger quantities, such as in a manufacturing setting, ensure worker exposure is below the recommended exposure limit. If significant aerosol (mist) is generated, use process enclosures, containment technology, or other engineering controls to keep airborne levels below recommended exposure limit.
Respiratory protection	Respiratory protection is not required for normal use of this material. If the occupational exposure limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.
Eye protection	Follow good chemical hygiene practices when using clinical or consumer presentations. Glasses or chemical splash resistant goggles are recommended if eye contact is possible.
Hand protection	Follow good chemical hygiene practices when using clinical or consumer presentations. Wear gloves when working with large quantities.
Skin and body protection	Follow good chemical hygiene practices when using clinical or consumer presentations. It is recommended that a laboratory coat be worn when handling product.
Hygiene	Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	liquid
Color	colourless
Form	Not available
Other information	
Molecular Weight	Not available
Molecular formula	Not applicable
Bulk density	Not available
Density	0.8 - 1 g/cm3

Continued

9. PHYSICAL AND CHEMICAL PROPERTIES

Evaporation rate	Not available
Hydrolysis/Photolysis	Not available
Hygroscopicity	Not available
Log Octanol/Water Partition Coeff [log Kow]	> 6
Surface Tension	Not available
Odor	Not available
Odor Threshold	Not available
pH	Not available
pKa	Not available
Particle Size	Not available
Solubility, Water	Not available
Specific Gravity/ Relative density	0.81 - 0.894 @ 15 °C
Viscosity	> 34.5 mm2/s @ 40 °C
Thermal/Stability properties	
Autoignition temperature	Not available
Boiling Point	346 °C
Thermal decomposition	Not available
Explosive Limits, LEL	Not available
Explosive limits, UEL	Not available
Explosiveness	Not available
Flammability	Not available
Flash point	Not available
Melting Point	Not available
Oxidizing Potential	Not available
Vapor Properties	
Vapor Density	Not available
Vapor Pressure	< 1.33 mbar,
Saturated Vapor Concentration	Not available

10. STABILITY AND REACTIVITY

Stability	
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Not available
Incompatible products	Incompatible with: oxidizing agents, chlorine, nitric acid, oxygen
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions.: carbon oxides(COx), nitrogen oxides (NOx)
Hazardous reactions	Not available

11. TOXICOLOGICAL INFORMATION

Routes of Entry	Ingestion, Inhalation, Eye contact, Skin contact
Eye Irritation	Mineral Oil Mildly irritating to eyes.
Skin Irritation	Mineral Oil Mildly and/or transiently irritating to skin.

Continued

11. TOXICOLOGICAL INFORMATION

Respiratory Irritation	Mineral Oil Inhalation of mist may cause irritation of respiratory system. (only at high concentrations)
Sensitization	Mineral Oil Not a dermal sensitizer
Acute Toxicity Study	**Acute Oral** Mineral Oil LD50(rat): > 5,000 mg/kg
Repeated Dose Toxicity	Mineral Oil **Assessment Repeat Dose Toxicity** Several studies were conducted. Prolonged exposure may cause chronic effects. See Section 11 Target Organs and Symptoms for a description of effects.
Genetic Toxicity	Mineral Oil **in vitro** Ames reverse-mutation assay -- negative Forward gene mutation assay -- negative **Mutagenicity Assessment** In vitro tests did not show mutagenic effects
Carcinogenicity	Mineral Oil **Carcinogenicity Assessment** This material was negative in carcinogenicity bioassays when administered by routes relevant in the workplace, e.g. oral, dermal and inhalation exposure.

Carcinogenicity	ACGIH	OSHA	NTP	IARC
Mineral Oil	--	--	--	3

Reproductive Toxicity	Mineral Oil Oral (5/week) one generation (rat) (F1 offspring, parent, males and females) NOAEL = > 4350 mg/kg No effects were observed. **Assessment Reproductive Toxicity** No effects were found on mating or fertility.
Developmental Toxicity	Mineral Oil Oral (daily) Study of Embryo-Fetal Development (rat) (F1 offspring, females) NOAEL = > 4350 mg/kg **Developmental Toxicity Assessment** Did not show teratogenic effects in animal experiments. No adverse maternal effects were observed.
Human experience	**Experiences with Human Exposure** Mineral Oil

Continued

11. TOXICOLOGICAL INFORMATION

See Section 11 Target Organs and Symptoms for a description of effects.

Target Organs	Mineral Oil lungs, gastrointestinal tract
Symptoms	Mineral Oil shortness of breath, cough, noisy respiration, diarrhoea, soft stools, gastrointestinal discomfort
Other Toxicity Information	Not available

12. ECOLOGICAL INFORMATION

Ecotoxicological Information (Aquatic)

Acute Toxicity to Fish

Mineral Oil

LC50 (Lepomis macrochirus, 96 H) : > 10,000 mg/l.

Ecotoxicological Information (Terrestrial) Not available

Chemical fate information

Biodegradation

Mineral Oil

Inherent biodegradation : ; Inherently biodegradable - biodegrades in the environment.

Stability in water

Mineral Oil

Hydrolysis: Stable in water. Does not undergo hydrolysis

Summary Statements

Aquatic toxicity

Mineral Oil USP

Experimental data indicate low potential for acute harm to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Advice On Disposal And Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

14. TRANSPORT INFORMATION

This material is not a dangerous good for the purpose of transportation.

15. REGULATORY INFORMATION

United States of America

OSHA Hazard Classification	Hazardous Target Organs
313 Toxic Release Inventory. Listed Chemicals/Compounds	No components listed on the SARA 313 inventory.
TSCA Inventory	yes

Continued

15. REGULATORY INFORMATION

International	
Canada	
WHMIS	This product is not regulated under the Hazardous Products Act and Controlled Products Regulations.
DSL/NDSL	Mineral Oil yes
Mexico	
Mexico Classification	Health classification - Minimal hazard - 0 - Substances that do not pose a hazard under emergency conditions other than that of ordinary combustible materials.
Europe	
EINECS/ELINCS/Registration Number	Mineral Oil: 232-455-8 dl-alpha Tocopherol: 233-466-0

16. OTHER INFORMATION

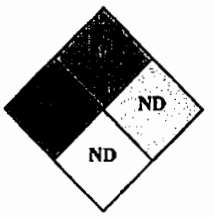
MSDS preparation information	
Prepared by	1-732-227-7380
Prepared on	12/24/2008
	This Safety Data Sheet has been revised. This data sheet contains changes from the previous version in section(s): 1, 8, and 16.
Other information	

HMIS

Health	1
Flammability	1
Reactivity	Not Determined (ND)
Personal protective equipment	See Section 8.

NFPA

Health	1
Fire	1
Reactivity	ND
Special	ND

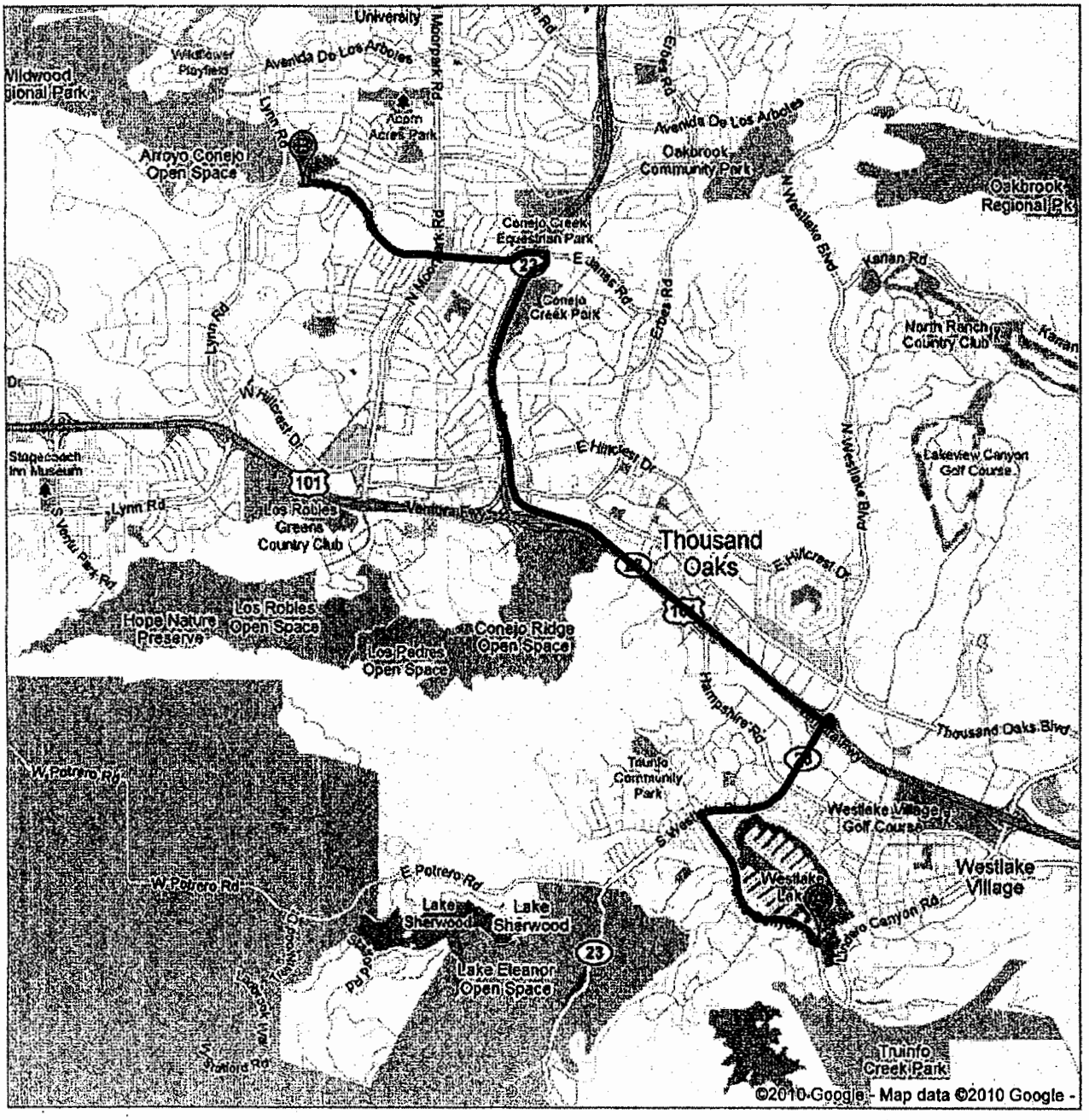


The information contained in this MSDS is believed to be accurate and represents the best information reasonably available at the time of preparation. However, we make no warranty, express or implied, with respect to such information. and we assume no liability from its use.

End of Safety Data Sheet

Google maps

Directions to W Janss Rd
8.4 mi – about 14 mins



3701 Capstan Cir, Westlake Village, CA 91361

	1. Head **southwest** on **Capstan Cir** toward **Brigantine Cir**	go 59 ft total 59 ft
	2. Turn **left** at **Brigantine Cir**	go 282 ft total 341 ft
	3. Turn **right** at **Triunfo Canyon Rd** About 3 mins	go 1.2 mi total 1.3 mi
23	4. Turn **right** at **CA-23 N** About 2 mins	go 1.1 mi total 2.4 mi
	5. Take the **CA-23/US-101 N/Ventura** ramp	go 0.4 mi total 2.7 mi
23	6. Merge onto **CA-23 N/US-101 N** About 2 mins	go 1.7 mi total 4.4 mi
23	7. Continue onto **CA-23 N** (signs for **Fillmore**) About 2 mins	go 2.0 mi total 6.4 mi
	8. Take exit **14** for **Janss Rd**	go 0.2 mi total 6.6 mi
	9. Turn **left** at **E Janss Rd** About 4 mins	go 1.8 mi total 8.4 mi

W Janss Rd

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Directions weren't right? Please find your route on maps.google.com and click "Report a problem" at the bottom left.

California Regional Water Quality Control Board
Los Angeles Region

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.waterboards.ca.gov/losangeles

Linda S. Adams
Cal/EPA Secretary

Arnold Schwarzenegger
Governor

November 3, 2010

Ms. Mary Zepeda
CEH&S Water/Waste Division
Southern California Edison
P.O. Box 800 (GO-3, 3rd Floor)
Rosemead, CA 91770

APPROVAL OF SOIL AND GROUNDWATER ASSESSMENT WORK PLAN – SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE NO. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254, SITE ID. NO. 2040385)

Dear Ms. Zepeda:

Los Angeles Regional Water Quality Control Board (Regional Board) staff has reviewed the October 22, 2010, *Site Assessment Work Plan Near the Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California, SCE Structure #5024599, Site Cleanup Case Number SCP #1254* (Work Plan). The Work Plan, prepared by the Southern California Edison Company Engineering & Technical Services, Civil/Structural/Geotechnical Group, was received by the Regional Board on October 22, 2010.

On July 18, 2010, Southern California Edison (SCE) discovered that the buried residential transformer at 3701 Capstan Circle had released approximately 30 gallons of mineral oil containing polychlorinated biphenyls (PCBs). Oil stained soil was excavated to 3 feet below grade (bg) by SCE and PCBs were detected at the base of the excavation. The excavation was deepened to 9 feet bg by SCE. Soil and groundwater at the base of the deepened excavation contained PCBs. In the deepened excavation the maximum PCB concentration in soil was 6.4 milligrams per kilogram, and the maximum in groundwater was 1.9 milligrams per liter. These data indicate that PCBs remains in soil and groundwater and the lateral extent is not defined. The Work Plan proposes sampling to further assess the PCBs plume in soil and groundwater.

The Work Plan proposes soil sampling at 6 locations. Soil will be sampled near the soil/groundwater interface, and groundwater will be sampled at approximately 9 feet bg. Soil will be sampled with direct push and/or hand auger methods. Groundwater will be sampled with disposable bailers and/or a peristaltic pump. Soil and groundwater samples will be analyzed for PCBs with EPA Method 8082.

The Plan is approved as proposed with the following conditions:

- Prior to the start of field work you must indicate to the Regional Board where waste drums will be stored prior to disposal.
- Notify the Regional Board at least 10 working days prior to the start of field work.
- A California licensed land surveyor must survey all sample locations. The survey report, signed by the licensee, shall be included in the assessment report.

- The appropriate groundwater sampling permit must be obtained from the County of Los Angeles, Environmental Health, Water Quality Program, prior to sampling. A copy of the permit must be included in the assessment report.
- Appropriate utility clearance must be obtained prior to sampling.
- The technical report documenting this phase of assessment must clearly illustrate the locations and dimensions of the prior remedial excavations. The prior sample locations must be included on the illustrations. The planned technical report must include tables summarizing the analytical results of all the earlier and proposed sampling.

A technical report, documenting the results of implementing the proposed scopes of work, must be received by the Regional Board no later than **January 1, 2011**.

If you have any questions, please contact me at (213) 576-6724 or via email at praftery@waterboards.ca.gov.

Sincerely,

Peter J. Raftery, PG, CHG
Engineering Geologist
Site Cleanup I Unit

cc: Ms. Laurie Forest, Westlake Village

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November 8, 2010

Peter J. Raftery, PG, CHG.
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Subject: **TRANSMITTAL OF SOIL AND GROUNDWATER ASSESSMENT WORK PLAN 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254, SITE ID. NO. 2040385)**

Dear Mr. Raftery:

Enclosed is the signed and stamped original copy of the subject work plan that was approved by the Regional Board on November 3, 2010. The document is also being uploaded electronically via Geotracker.

Please contact Ms. Mary Zepeda at (626) 302-4845 if you have any questions. In the event that Mary is unavailable, I can be reached by phone at (626) 302-4857. Thank you for your guidance on this activity.

Sincerely,

Eric A. Hodder, Project Manager
Corporate Environment, Health & Safety Division
Southern California Edison

Cc: Mr. Josh Nichols, Southern California Edison
Ms. Mary Zepeda, Southern California Edison

Enclosure

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December 10, 2010

Peter J. Raftery, PG, CHG
Engineering Geologist
Los Angeles Regional Water Quality Control Board
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

Certified Mail Receipt #: 7010 0780 0000 5788 8755

Subject: Site Cleanup Program Oversight Cost Reimbursement Account
File Number: Spill Cleanup Program No. 1254

Site Name: SCE - Westlake Village (Structure # 5024599)
Near Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California

Dear Mr. Raftery:

As discussed on December 2, 2010, SCE submitted an application to the City of West Lake Village for an Encroachment Permit for sampling activities in the street. The City of West Lake Village informed us that they contract their permitting services to the Los Angeles County and the turnaround time will be an additional 4 weeks. As specified in the Approval Letter for the Soil and Groundwater Assessment Work Plan, upon meeting the proposed conditions and completion of the work, "a technical report, documenting the results of implementing the proposed scope of work, must be received by the Regional Board no later than January 1, 2011."

Due to this delay in obtaining the Encroachment Permit, SCE respectfully requests an extension of the due date through February 11, 2011.

If you have any questions and/or need any additional information, please feel free to call me at (626) 302-4845.

Sincerely,

Mary Zepeda
Project Manager
Operations Support Business Unit
Corporate Environment, Health & Safety
Water/Waste Division
Technical Services and Program Management Section
Southern California Edison

Cc: Eric Hodder
David Van Horsen
Joshua Nichols
Kenny Herrera
Miguel Flores

2131 Walnut Grove Ave.
Rosemead, CA 91770

California Regional Water Quality Control Board

Los Angeles Region

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.waterboards.ca.gov/losangeles

Linda S. Adams
Cal/EPA Secretary

Arnold Schwarzenegger
Governor

December 20, 2010

Ms. Mary Zepeda
CEH&S Water/Waste Division
Southern California Edison
P.O. Box 800 (GO-3, 3rd Floor)
Rosemead, CA 91770

APPROVAL OF NEW DUE DATE FOR SUBMITTAL OF SOIL AND GROUNDWATER ASSESSMENT TECHNICAL REPORT – SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE NO. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254, SITE ID. NO. 2040385)

Dear Ms. Zepeda:

Los Angeles Regional Water Quality Control Board (Regional Board) staff has reviewed the December 1, 2010, letter with the subject *Site Cleanup Program Oversight Cost Reimbursement Account File Number: Spill Cleanup Program No. 1254* (Letter). The Letter is a follow up to our conversation of December 2, 2010, when you informed Regional Board staff that the City of Westlake Village contracts to Los Angeles County for Encroachment Permits. It typically takes 4 weeks to obtain the permit from the County. This permitting process is slower than expected and will delay site work and assessment report preparation. Because of this delay you have requested a due date extension from January 1, 2011 until February 11, 2011 to submit the assessment technical report.

The request for report submittal delay is approved. A technical report, documenting the results of implementing the proposed assessment work, must be received by the Regional Board no later than **March 1, 2011.**

If you have any questions, please contact me at (213) 576-6724 or via email at praftery@waterboards.ca.gov.

Sincerely,

Peter J. Raftery, PG, CHG
Engineering Geologist
Site Cleanup I Unit

cc: Ms. Laurie Forest, Westlake Village

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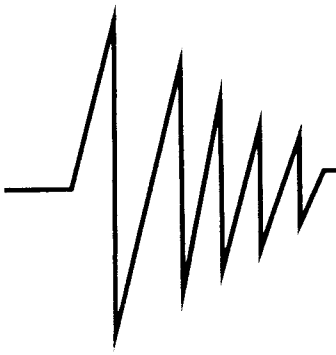

GEOTECH GROUP

Southern California Edison

ATTACHMENT # 3

SCE Site Assessment Report dated February 25, 2010
Los Angeles RWQCB Approval Letter dated April 13, 2011

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February 25, 2011

Peter J. Raftery, PG, CHG.
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Subject: **TRANSMITTAL OF SOIL AND GROUNDWATER ASSESSMENT TECHNICAL REPORT - SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE No. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254, SITE ID. NO. 2040385)**

Dear Mr. Raftery:

Enclosed is the signed and stamped original copy of the subject Technical Report that is associated with the work plan approved by the Regional Board on November 3, 2010. The document is also being uploaded electronically via Geotracker.

If you have any questions and/or need additional information, please feel free to call me at (626) 302-4845.

Best Regards,

Mary Zepeda
Project Manager
Operations Support Business Unit
Water/Waste and Environmental Engineering
Technical Services and Program Management Section
Corporate Environment, Health & Safety Division
Southern California Edison

Cc: Josh Nichols, Southern California Edison

Enclosure

2131 Walnut Grove Ave.
Rosemead, CA 91770

California Regional Water Quality Control Board

Los Angeles Region

Linda S. Adams
Acting Secretary for Environmental Protection

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Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.waterboards.ca.gov/losangeles

Edmund G. Brown Jr.
Governor

April 13, 2011

Ms. Mary Zepeda
CEH&S Water/Waste Division
Southern California Edison
P.O. Box 800 (GO-3, 3rd Floor)
Rosemead, CA 91770

APPROVAL OF PROPOSED ADDITIONAL ASSESSMENT – SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE NO. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CA (SCP NO. 1254, SITE ID. NO. 2040385)

Dear Ms. Zepeda:

Los Angeles Regional Water Quality Control Board (Regional Board) staff has reviewed the February 25, 2011, *Site Assessment Report, Near the Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California, SCE Structure # 5024599, Site Cleanup Case Number SCP #1254* (Report). The Report provides the results of a January 2011, soil and groundwater assessment. The primary chemicals of concern, polychlorinated biphenyls (PCBs), were not detected in any of the seven soil samples or the six groundwater samples. These new data indicate the extent of PCBs contamination is limited.

The Report recommends further assessment in two areas where PCBs were detected in soil near the release during an assessment conducted in August 2010. The additional proposed assessment is approved with the condition that all soil samples analyzed for PCBs are also analyzed for total petroleum hydrocarbons (TPH) using modified EPA Method 8015, and that groundwater samples are collected from at least one of the proposed sample locations north of the release and one of the proposed locations east of the release. The groundwater samples must also be analyzed for TPH. The TPH analyses for both soil and groundwater must include results for TPH gasoline, TPH diesel fuel, and TPH motor oil.

A technical report, documenting the results of the proposed assessment, must be received by the Regional Board no later than **August 1, 2011**. If you have any questions, please contact me at (213) 576-6724 or via email at praftery@ waterboards.ca.gov.

Sincerely,

Peter J. Raftery, PG, CHG
Engineering Geologist
Site Cleanup I Unit

cc: Ms. Laurie Forest, Westlake Village

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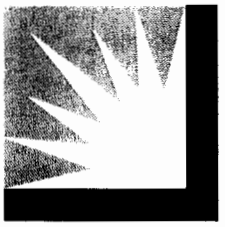

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SITE ASSESSMENT REPORT
NEAR THE INTERSECTION OF TRIUNFO CANYON ROAD AND CAPSTAN CIRCLE
WESTLAKE VILLAGE, CALIFORNIA
SCE STRUCTURE #5024599
SITE CLEANUP CASE NUMBER SCP #1254

Prepared By: Southern California Edison Company
Engineering & Technical Services
Civil/Structural/ Geotechnical Group

February 25, 2011

TABLE OF CONTENTS

1.0 INTRODUCTION

This environmental site assessment was performed by the Southern California Edison (SCE) Geotechnical Group on behalf of SCE's Corporate Environmental, Health and Safety Department. The Project Site is located near the intersection of Capstan Circle and Triunfo Canyon Road in Westlake Village, California (Figure 1). This report documents initial leak detection, soil excavation and sampling activities in July and August 2010, and the recent site investigation work of drilling and sampling conducted on January 12, 2011. The purpose of this site assessment is to evaluate the nature and extent of migration of the remaining PCB-containing mineral oil spill identified in July 2010.

2.0 PROJECT DESCRIPTION

On July 18, 2010 SCE discovered that the BURD transformer at the above subject property had released an estimated 30 gallons of mineral oil. Following the release, initial remediation activities obtained 5 soil samples from the bottom of a 3' x 3 ½' by 7-foot deep excavation. One mineral oil sample from the transformer was also collected for Polychlorinated Biphenyls (PCB) determination. The analytical laboratory results for the mineral oil sampled from directly within the transformer indicated a PCB concentration of 166 parts per million (ppm). The analytical laboratory results for the July 18, 2010 soil samples measured concentrations of PCBs ranging from 0.19 ppm to 1.5 ppm.

While conducting further remediation activities on August 9, 2010, SCE obtained 4 additional soil samples from the 8 foot depth, and 1 water sample from the bottom of the 9-foot deep excavation. PCB concentrations in soil ranged from less than 0.02 ppm to 6.4 ppm. The water sample showed the presence of PCBs at a concentration of 1,900 micrograms/liter (µg/l); however standard groundwater sampling protocol, was not applied during the sampling and entrained sediment and/or absence of purging may have influenced the result. A summary of detections are included in Table 1 below. The complete laboratory reports and field sketches of the excavation and sample locations are included in Appendix A.

Table 1 – Summary of PCB Detections During Initial Excavation Activities

Sample Date	Sample Number	Sample Depth	Sample Location	TEPH Result (mg/kg or mg/l)	PCB Result (mg/kg or ug/L)
7/18/10	1	3 ft	NW Wall	12,000 mg/kg	0.70 mg/kg
7/18/10	2	3 ft	SW Wall	5,600 mg/kg	0.19 mg/kg
7/18/10	3	3 ft	NE Wall	12,000 mg/kg	1.5 mg/kg
7/18/10	4	3 ft	SE Wall	7,900 mg/kg	0.68 mg/kg
7/18/10	5	3 ft	Center	2,200 mg/kg	0.44 mg/kg
8/9/10	1	8 ft	West Wall	<1.0 mg/kg	<0.02 mg/kg
8/9/10	2	8 ft	North Wall	7,300 mg/kg	3.7 mg/kg
8/9/10	3	8 ft	East Wall	25,000 mg/kg	6.4 mg/kg
8/9/2010	4	8 ft	South Wall	260 mg/kg	0.34 mg/kg
8/9/2010	5	9 ft	Center (Water)	2,800 mg/L	1,900 µg/L

Based on these analytical results, the Los Angeles Regional Water Quality Control Board (LARWQCB) requested additional sampling of groundwater and soil to determine the extent of PCB contamination. A work plan for this site assessment was provided to the LARWQCB on October 22, 2010 via the Geotracker and SCE received their approval of the proposed work by letter dated November 3, 2010. In a subsequent December 20, 2010 letter, the LARWQCB granted an extension to SCE for submittal of the technical report documenting the results of the proposed assessment work on or before March 1, 2011.

3.0 SCOPE OF ASSESSMENT

The scope of this site assessment included the following tasks:

- Completion of 4 direct push borings to an approximate depth of 12 feet bgs.
- Completion of 2 hand auger borings to an approximate depth of 10 feet bgs.
- Collection of 1 soil sample from each location from the soil-water interface.
- Collection of 1 groundwater sample from each location.
- Analytical testing of the collected soil and groundwater samples.
- Preparation of this site assessment report.

Figure 2 provides the general layout of the site and locations of the completed borings. Appendix B includes a copy of the surveyed boring locations with the stamp of a California Licensed Surveyor. Appendix C presents the Los Angeles County Groundwater Sampling Permit.

4.0 ASSESSMENT PROCEDURES

4.1 Field Exploration

On January 12, 2011 a SCE geologist supervised the drilling and sampling of the six soil borings at the general locations shown on Figure 2. Borings DP-1 through DP-4 were advanced with a truck-mounted Geoprobe Model 5400 direct-push machine to an approximate depth of 12 feet below ground surface (bgs).

Prior to drilling, SCE notified Dig Alert of planned work and obtained utility clearance from Dig Alert (Dig Alert Ticket # A10070980-00A). In addition, Spectrum Geophysics cleared each boring that was planned within the street for the presence of buried utilities. As required by the City of Westlake Village, the asphalt surface was cored with a 4-inch core barrel, and traffic control, in the form of signs, cones and flagmen were used throughout the work.

Borings HA-1 and HA-2 were advanced to approximate depths of 10 and 12 feet, respectively with a with a 3-inch diameter hand auger. DP-4, the boring located approximately 200 feet from the spill site, was pushed to a total depth of 16 feet because only minor indications of water were observed at the 12 foot depth. DP-4 was also pushed to 16 feet; however water was encountered at the planned 12 foot level. Consequently, Borings DP-2 and DP-3 were advanced to the planned depth of 12 feet bgs.

Soil samples were obtained with either 1-inch diameter clear plastic liners supplied with the direct push equipment or into clear glass jars in the case of the hand auger borings. All boreholes were logged and sampled for soil lithologic description. Samples were recorded on the boring logs in accordance with the Unified Soil Classification System (USCS) which included sample depths, soil type, grain size, color, density, and moisture content. Copies of the soil boring logs are provided in Appendix D.

After advancing the boring to the target depth, a temporary well point constructed of 1-inch schedule 40 PVC casing with a 10 foot long well screen was placed in the borehole. One groundwater grab sample was collected from the temporary well point with a peristaltic pump. Groundwater samples from the HA-1 and HA-2 were collected in the same manner. All drilling and sampling operations were supervised by a California Registered Geologist. At the completion of groundwater sampling, the temporary well point was removed and the boring abandoned by using hydrated bentonite chips. The asphalt surface was repaired with cold patch. Soil cuttings were placed in sealed and labeled DOT-approved 55-gallon drums and transported to SCE's Thousand Oaks Service Center for temporary storage pending receipt of the analytical testing.

Prior to sample collection, all sampling equipment was decontaminated. Soil sampling tools and sample barrels were cleaned between each use. Manual

cleaning procedures included a three-stage process using a non-phosphate detergent solution in water, followed by rinsing with potable water and distilled water. Decontamination water was contained by Interphase, Inc. and transported to their disposal facility.

4.2 Soil Sample Preparation

Headspace field screening was conducted by placing a small portion of a soil sample into a plastic bag and inserting the tip of a photoionization detector (PID) into the bag to obtain a reading. Headspace readings were reported in parts per million (ppm) and are noted on the boring logs.

Each soil sample was retained in plastic liners with sealed Teflon tape and plastic end caps. Sample identification numbers and other pertinent data were recorded on the chain-of-custody form and placed in an ice chest for storage and transport to Advanced Technology Laboratories of Signal Hill, California, a state-certified hazardous waste testing laboratory. Sample handling, transport, and delivery were performed using the chain-of-custody documentation procedures outlined in the project SAP. Copies of the custody forms are included in Appendix E.

4.3 Analytical Testing

A total of 6 soil samples and 6 groundwater samples were analyzed for PCBs according to EPA Test Methods 3550B and 8082 (soil), EPA Test Methods 3510C and 8082 (groundwater). In addition, one equipment rinseate blank and one soil and one groundwater duplicate were analyzed by the same methods. The Advanced Technology Laboratories analytical reports are presented in Appendix E.

5.0 RESULTS OF ASSESSMENT

5.1 Site Geology

The project site is located within an alluvial valley in the Santa Monica Mountains. According to the Dibblee Geologic Map of the Thousand Oaks Quadrangle (1993) the site is on Quaternary alluvial sand and gravel. The residential subdivision appears to have been created by excavating the alluvial gravels along Triunfo Creek to the underlying bedrock to create a lake. It is thought that artificial fill was placed on the excavated surfaces for the building pads.

The boring logs show the area to be variably underlain by gravelly to silty sand, silty sand or clayey sand, probably representing the fill soils required for subdivision development. The two deeper borings, DP-1 and DP-4 encountered more uniform sand with gravel that is thought to represent the native soils. These materials were

observed by the direct push equipment to be much harder to penetrate than the overlying materials.

5.2 Site Hydrogeology

This site is unique because the enlarging of Triunfo Creek created a man-made recreational lake. Water in this lake is not used for drinking water purposes. Based on the excavation activities described above the water level at the project site was observed to be approximately 9 feet (bgs). This shallow depth is probably representative of localized seepage from the surrounding recreational lake. Based on surface topography, the direction of groundwater movement is inferred to be to the east. In the borings, initial groundwater observations ranged from 6.5 to 12 feet bgs, however static water was measured to range from 6.2 to 7.5 feet bgs. Simplified groundwater contours were developed and are shown on Figure 2. A strong direction is not indicated by these groundwater elevations which probably represent more the variable nature of the fill materials encountered and the close grouping of the measurements.

5.3 Analytical Testing Results for Soil

Table 1 presents a summary of the laboratory data. PCBs were not detected at any location at the MDL of <0.02 mg/kg.

Table 2 – Summary of Analytical Testing of Soil

Boring Number	Sample Depth	Analyte	PCB Result (mg/kg)
DP-1	8 ft	PCB	ND
DP-2	7 ft	PCB	ND
DP-3	8 ft	PCB	ND
DP-4	8 ft	PCB	ND
HA-1	9 ft	PCB	ND
HA-2	6 ft	PCB	ND
Duplicate (DP-1)	8 ft	PCB	ND

5.4 Analytical Testing Results for Groundwater

Laboratory testing of the groundwater samples collected from each location did not detect the presence of PCBs at the MDL of <0.02 µg/L. Table 2 presents a summary of the laboratory data. The detection limits for the DP-4 sample are higher because only one-half the volume required by the method could be collected. This

well point was allowed to stay open for a 5 hour period. However, the MDL is still below regulatory requirements.

Table 3 – Summary of Analytical Testing of Groundwater

Boring Number	Sample Depth	Analyte	PCB Result (ug/L)Result
DP-1	8 ft	PCB	ND
DP-2	7 ft	PCB	ND
DP-3	8 ft	PCB	ND
DP-4	8 ft	PCB	ND
HA-1	9 ft	PCB	ND
HA-2	6 ft	PCB	ND
Duplicate (DP-1)	--	PCB	ND
Equipment Rinseate	--	PCB	ND

6.0 CONCLUSIONS

Based on the information obtained during this site investigative work, the following conclusions are made:

- Soils beneath the site are variable and probably represent the fill soils used for subdivision development within the excavated river. Below these fill soils, more uniform sand and gravel is present.
- Groundwater is present beneath the site at a depth range of 6.2 to 7.5 feet bgs. Due to the close spacing of the measurements and variability of the fill soils a definitive groundwater flow direction is not apparent.
- No PCBs were detected in any soil or groundwater sample collected during this recent investigation.
- The distribution of the PCB detected during post-excavation sampling, as confirmed by this investigation, indicate the oil spill was limited in extent, and did not adversely impact groundwater.

7.0 RECOMMENDATIONS

Based on the data presented here, the following recommendations are made:

- Conduct additional soil sampling focused at the two locations of the elevated PCB samples identified from the August 2010 sampling event (Figure 3). The purpose of these additional samples would be to confirm the detections and to develop a soil excavation plan.

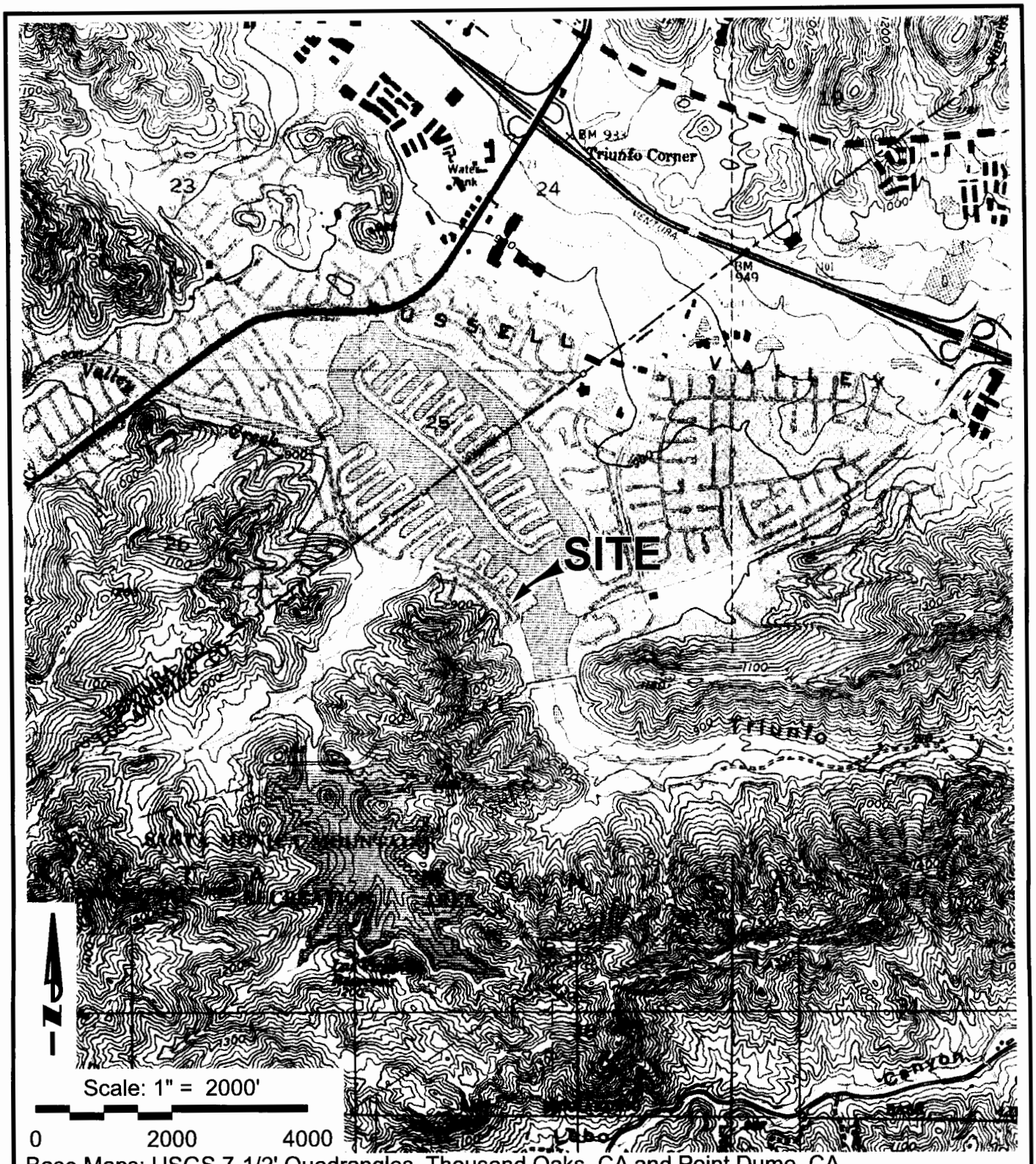
This additional sampling work will be conducted under the procedures described in the document titled, "*Site Assessment Work Plan, Near the Intersection of Triunfo Canyon road and Capstan Circle, Westlake Village, California*", dated 10/22/2010.

8.0 PROFESSIONAL DECLARATION

This document was prepared under the direction and supervision of David M. Van Horsen, a California Professional Geologist with expertise in contaminant assessment. His signature and stamp appear below:

David M. Van Horsen
CA Certified Engineering Geologist # 2418
February 25, 2011

FIGURES



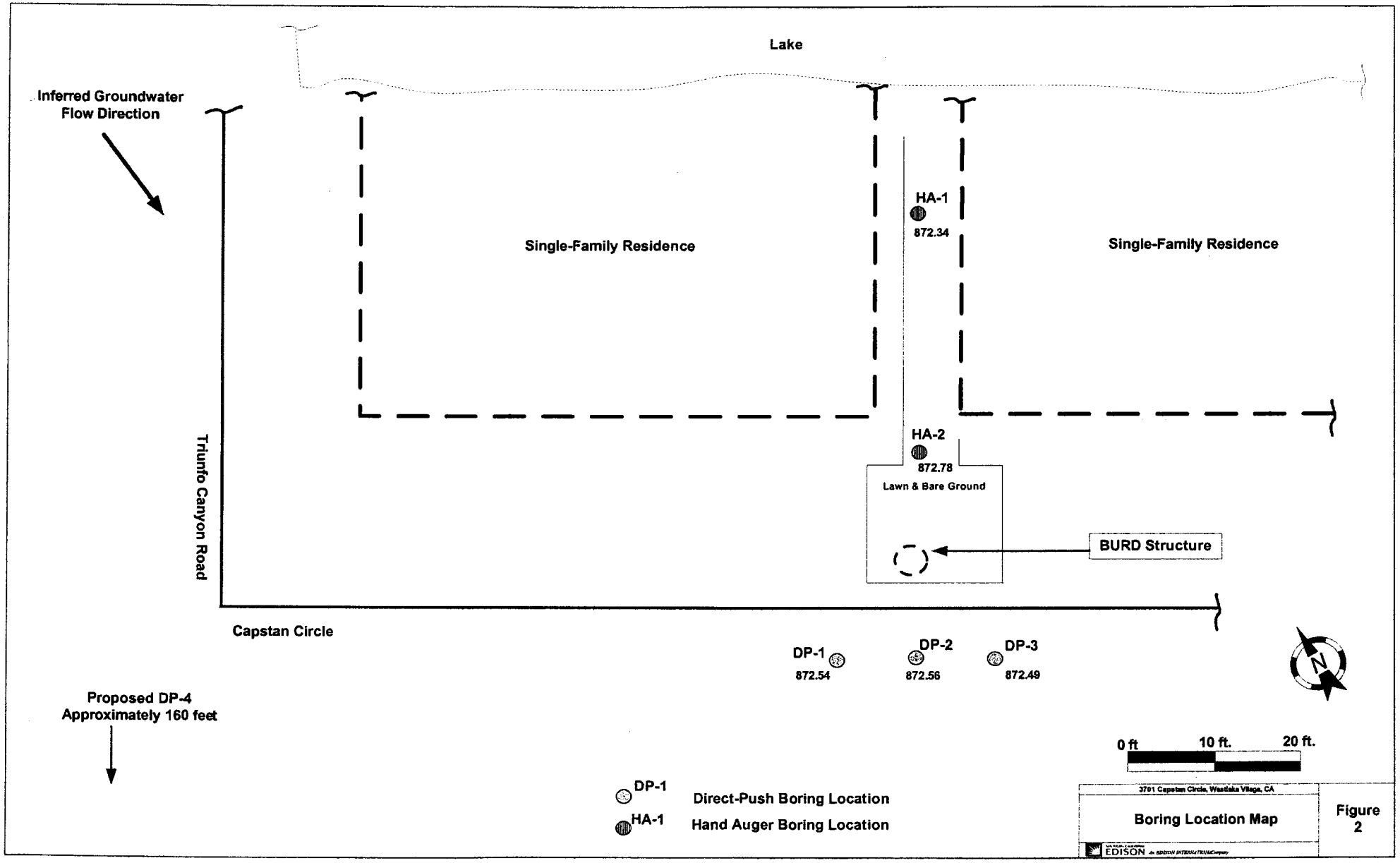
Base Maps: USGS 7-1/2' Quadrangles, Thousand Oaks, CA and Point Dume, CA

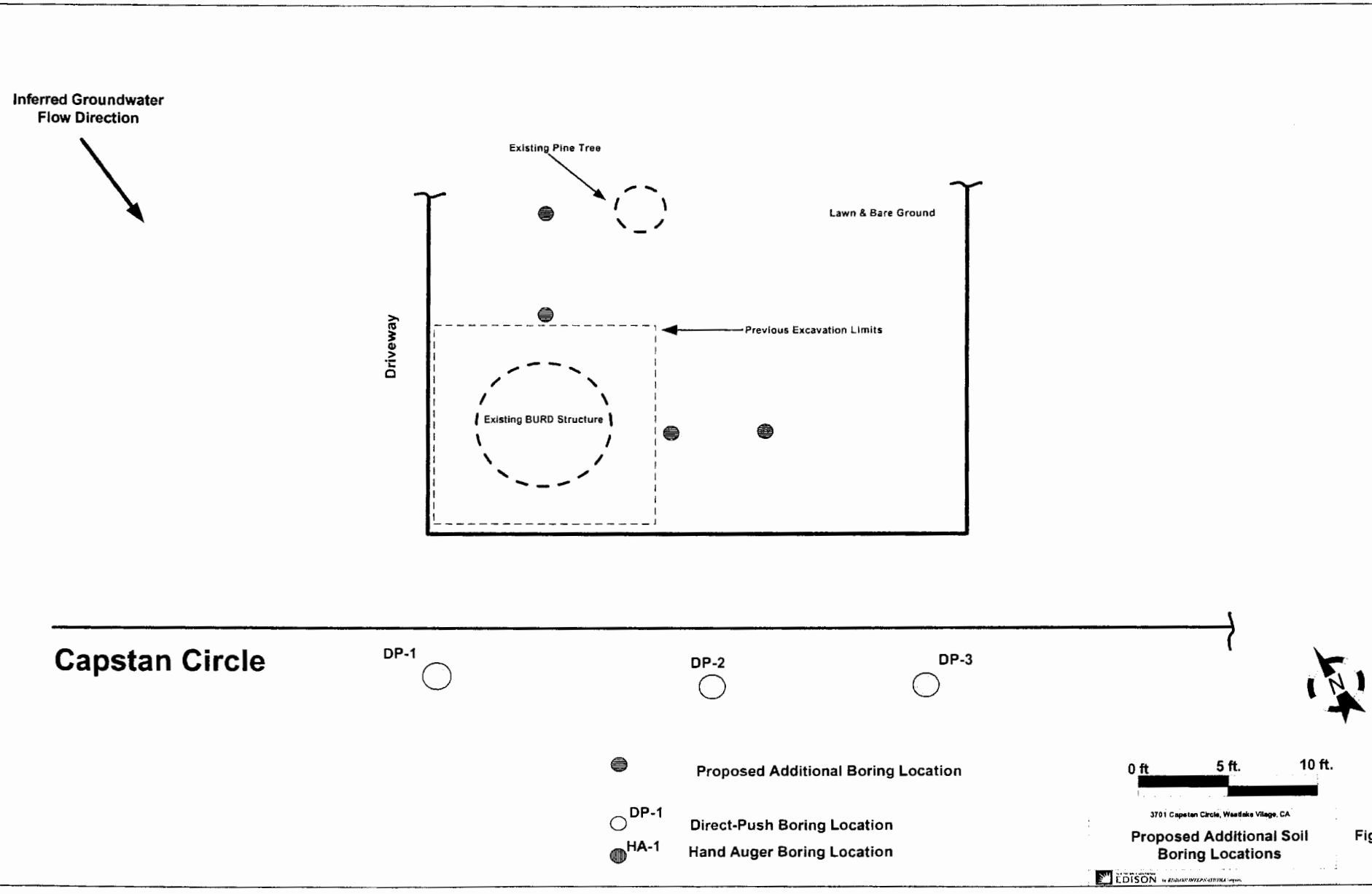
SOUTHERN CALIFORNIA
EDISON
POWER PRODUCTION

Engineering And Technical Services
GEOTECHNICAL GROUP

Figure 1
Site Location

3701 Capstan Circle
Westlake Villiage, CA


Lake
Inferred Groundwater Flow Direction
HA-1
872.34
Single-Family Residence
Single-Family Residence
HA-2
872.78
Lawn & Bare Ground
BURD Structure
Triunfo Canyon Road
Capstan Circle
DP-1
872.54
DP-2
872.56
DP-3
872.49
N
Proposed DP-4
Approximately 160 feet
0 ft
10 ft.
20 ft.
DP-1
Direct-Push Boring Location
HA-1
Hand Auger Boring Location
3701 Capstan Circle, Westlake Village, CA
Boring Location Map
Figure 2
EDISON

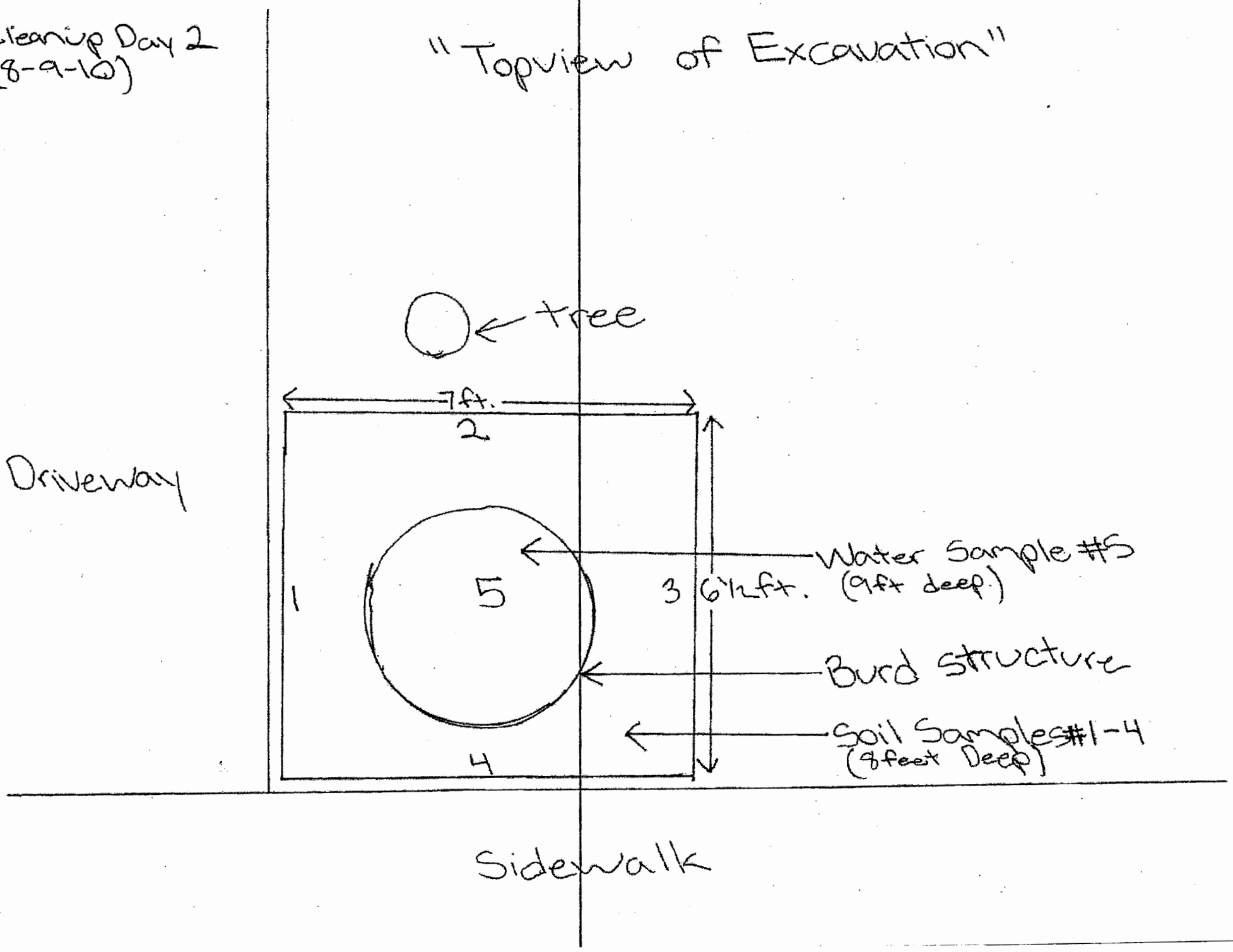

Inferred Groundwater Flow Direction
Existing Pine Tree
Lawn & Bare Ground
Driveway
Previous Excavation Limits
Existing BURD Structure
Capstan Circle
DP-1
DP-2
DP-3
N
Proposed Additional Boring Location
DP-1
Direct-Push Boring Location
HA-1
Hand Auger Boring Location
0 ft
5 ft.
10 ft.
3701 Capstan Circle, Westlake Village, CA
Proposed Additional Soil Boring Locations
Figure 3
EDISON

APPENDIX A

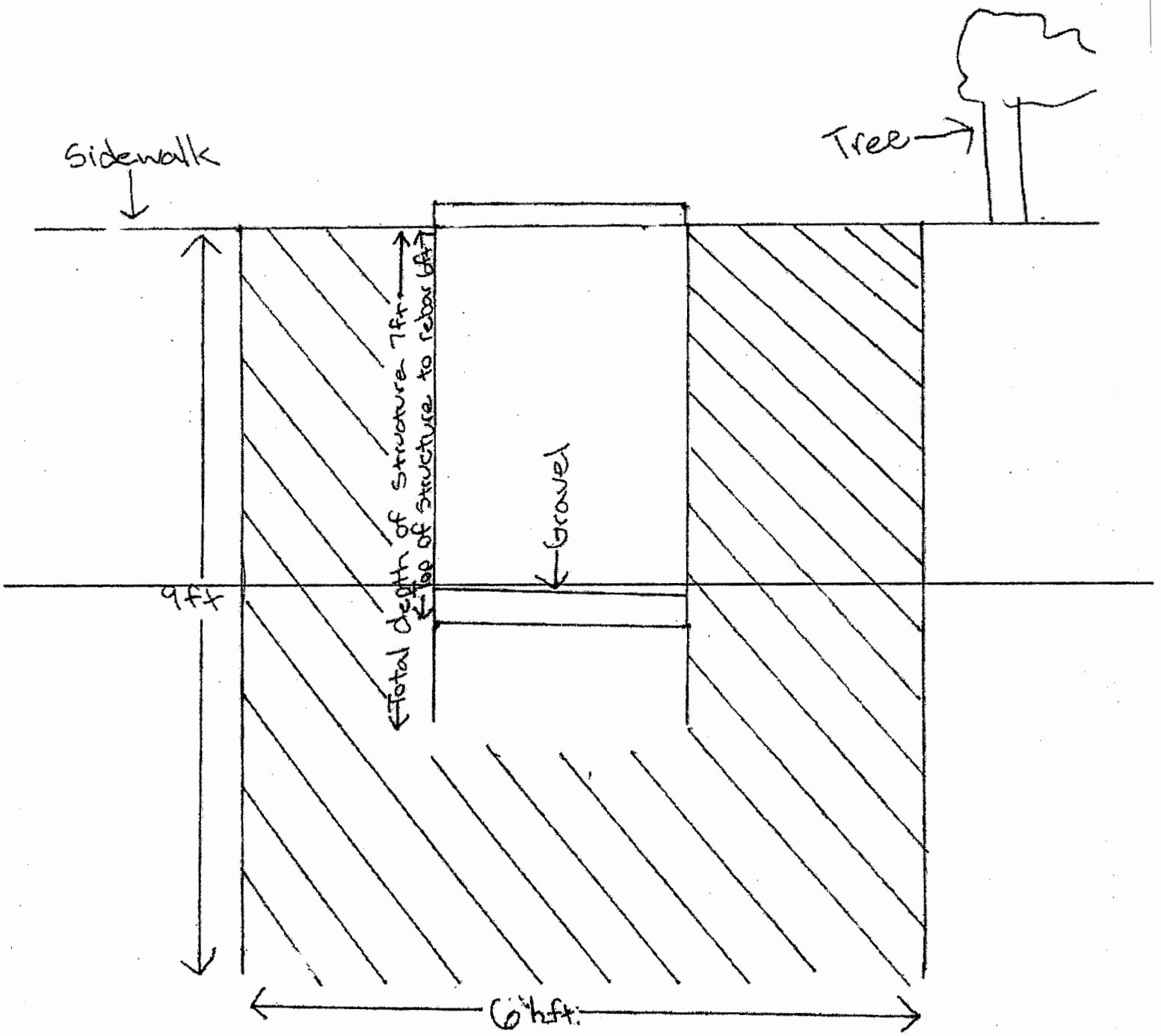
Analytical Testing Results From 2010 Excavation and Sampling Activities

Cleanup Day 2
(8-9-10)

"Topview of Excavation"



Cleanup Day 2 "Side view of Excavation"
(8-9-10)



Case Narrative

Date: August 12, 2010

Client: Southern California Edison(SCE)
CAS Lab # 101976-05

Case Narrative: On August 8, 2009 Capco has received 5 samples from SCE to be analyzed for PCB's and TEPH. The samples were collected by the Client. The lab number assigned by Capco for this project was 101976. Sample "101976-05", a water sample, was prepared according to the client instructions, that is: the sample was filtered before the extraction was performed. The sample was than analyzed in accordance to EPA Methods 8082(for PCB's) and 8015m (for TEPH). The result was reported to the client along with the rest of the results.
All the data and information about this particular analysis is in the custody of Capco Analytical Services, Inc., as well as our customer, SCE.

Alin Repede, MS
Director Analytical Operations
Capco Analytical Services, Inc.

Prepared for: Southern California Edison
10060 Telegraph Road
Ventura, CA 93004
Attn: Andy Melendez

Report Date: August 18, 2010
Laboratory Number: 102006
Project Name: 3701 Capstan Cir. Westlake Village
Project No: VC00156
Purchase Order No: 900160571
Sampled by: Client

On August 10, 2010, Capco Analytical Services, Inc.(CAS), received five(5) samples to be analyzed. The samples were identified and assigned the laboratory ID numbers listed below:

SAMPLE DESCRIPTION	CAS LAB NUMBER ID
#1	101976-01
#2	101976-02
#3	101976-03
#4	101976-04
#5	101976-05

By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Alin E. Repede, MS
Director - Analytical Operations

If you have any further questions or concerns, please contact me at your convenience.

This report consists of 14 pages excluding the cover letter and the Chain of Custody.

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#1	Date Extracted:	08/10/10
CAS LAB NO:	101976-01	Date Analyzed:	08/10/10
Sample Matrix:	Soil	Analyst:	AER

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	<0.02	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
2,4,5,6-Tetrachloro-m-xylene (TCMX)	74	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#2	Date Extracted:	08/10/10
CAS LAB NO:	101976-02	Date Analyzed:	08/10/10
Sample Matrix:	Soil	Analyst:	AKR

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	3.7	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
2,4,5,6-Tetrachloro-m-xylene(TCMX)	66	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#3	Date Extracted:	08/10/10
CAS LAB NO:	101976-03	Date Analyzed:	08/10/10
Sample Matrix:	Soil	Analyst:	AER

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	6.4	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
2,4,5,6-Tetrachloro-m-xylene(TCMX)	53	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#4	Date Extracted:	08/10/10
CAS LAB NO:	101976-04	Date Analyzed:	08/10/10
Sample Matrix:	Soil	Analyst:	AER

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.34	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
2,4,5,6-Tetrachloro-m-xylene(TCMX)	55	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#5	Date Extracted:	08/10/10
CAS LAB NO:	101976-05	Date Analyzed:	08/10/10
Sample Matrix:	WATER	Analyst:	AER

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results µg/L	Dilution Factor	MDL µg/L	PQL µg/L
Aroclor-1016	<0.5	2	1.0	2.0
Aroclor-1221	<0.5	2	1.0	2.0
Aroclor-1232	<0.5	2	1.0	2.0
Aroclor-1242	<0.5	2	1.0	2.0
Aroclor-1248	<0.5	2	1.0	2.0
Aroclor-1254	<0.5	2	1.0	2.0
Aroclor-1260	1900	20	10.0	2.0
Aroclor-1262	<0.5	2	1.0	2.0

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
2,4,5,6-Tetrachloro-m-xylene(TCMX)	121	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#1	Date Extracted:	08/10/10
CAS LAB NO:	101976-01	Date Analyzed:	08/10/10
Sample Matrix:	SOIL	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL mg/kg	PQL mg/kg
TEPH	< 1.0	1	1.0	5.0

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	107	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#2	Date Extracted:	08/10/10
CAS LAB NO:	101976-02	Date Analyzed:	08/10/10
Sample Matrix:	SOIL	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)

EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL mg/kg	PQL mg/kg
TEPH	7300	10	10.0	50.0

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	97	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#3	Date Extracted:	08/10/10
CAS LAB NO:	101976-03	Date Analyzed:	08/10/10
Sample Matrix:	SOIL	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL mg/kg	PQL mg/kg
TEPH	25,000	10	10.0	50.0

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
n-Undecane	137*	53-126

*Surrogate recovery outside control limits due to sample interference.

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#4	Date Extracted:	08/10/10
CAS LAB NO:	101976-04	Date Analyzed:	08/10/10
Sample Matrix:	SOIL	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL mg/kg	PQL mg/kg
TEPH	260	1	1.0	5.0

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	87	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#5	Date Extracted:	08/10/10
CAS LAB NO:	101976-05	Date Analyzed:	08/10/10
Sample Matrix:	WATER	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/L	Dilution Factor	MDL mg/L	PQL mg/L
TEPH	2800	2	0.2	1.0

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	100	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

TEPH - Quality Control (soil matrix)

Sample ID:	Method Blank	Date Extracted:	08/10/10
CAS LAB NO:	081010-MB	Date Analyzed:	08/10/10
Sample Matrix:	SOIL	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL mg/kg	PQL mg/kg
TEPH	< 1.0	1	1.0	5.0

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	83	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

TEPH - Quality Control (water matrix)

Sample ID:	Method Blank	Date Extracted:	08/10/10
CAS LAB NO:	081010-MB	Date Analyzed:	08/10/10
Sample Matrix:	WATER	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/L	Dilution Factor	MDL mg/L	PQL mg/L
TEPH	< 0.1	1	0.1	0.5

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	83	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

PCBs - Quality Control Report
EPA Method 8082

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	% REC	% REC Limits	RPD	RPD Limits
Method Blank (081010)				Extracted: 08/10/10			Analyzed:08/10/10		
Surrogate:Tetrachloro-m-xylene(TCMX)		*2.46*			*2*	*123*	*51-129*		
Surrogate:Dibutylchlorendate(DBC)		*1.48*			*2*	*74*	*53-126*		
Aroclor-1016		<0.5		ug/L					
Aroclor-1221		<0.5		ug/L					
Aroclor-1232		<0.5		ug/L					
Aroclor-1242		<0.5		ug/L					
Aroclor-1248		<0.5		ug/L					
Aroclor-1254		<0.5		ug/L					
Aroclor-1260		<0.5		ug/L					
Aroclor-1262		<0.5		ug/L					
LCS (081010)				Extracted: 08/10/10			Analyzed:08/10/10		
Surrogate:Tetrachloro-m-xylene(TCMX)		*2.4*			*2*	*120*	*51-129*		
Surrogate:Dibutylchlorendate(DBC)		*2.41*			*2*	*121*	*53-126*		
Aroclor-1260(Total)		9.176		ug/L	10	92	50-140		
LCSD (081010)				Extracted: 08/10/10			Analyzed:08/10/10		
Surrogate:Tetrachloro-m-xylene(TCMX)		*2.46*			*2*	*123*	*51-129*		
Surrogate:Dibutylchlorendate(DBC)		*2.43*			*2*	*122*	*53-126*		
Aroclor-1260(Total)		9.640		ug/L	10	96	50-140		
Method Blank (081010)				Extracted: 08/10/10			Analyzed:08/10/10		
Surrogate:Tetrachloro-m-xylene(TCMX)		*0.25*			*0.2*	*125*	*51-129*		
Surrogate:Dibutylchlorendate(DBC)		*0.15*			*0.2*	*75*	*53-126*		
Aroclor-1016		<0.02		mg/kg					
Aroclor-1221		<0.02		mg/kg					
Aroclor-1232		<0.02		mg/kg					
Aroclor-1242		<0.02		mg/kg					
Aroclor-1248		<0.02		mg/kg					
Aroclor-1254		<0.02		mg/kg					
Aroclor-1260		<0.02		mg/kg					
Aroclor-1262		<0.02		mg/kg					

Flags for Data Qualifiers:

S = Surrogate recovery for this sample is outside control limits due to possible sample matrix interference.

MS = Spike recovery for this QC sample is outside the establish control limits due to sample matrix interference

Q = RPD results exceed the QC control limits due to matrix interference, however both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or the rest of QC

CAPCO ANALYTICAL SERVICES

1536 Eastman Avenue
Ventura, CA 93003
(805) 644-1095 Fax 644-9947

CHAIN OF CUSTODY RECORD

REPORT Fax 805-654-7323
Company Southern California Edison
Address 10060 Telegraph Rd
Ventura, CA 93004
Phone 805-223-3021 Contact Andy Melendez

BILL TO: P.O.#90060571
Company Patriot
Address 2457 N. Ventura Ave.
Ventura, CA 93001
Phone 805-755-3716 Contact Robert Martinez

PROJ. NO: VC00156
PROJECT NAME: 3701 Capstan Cir., Westlake Village

SAMPLERS: (Signature) Robert Martinez

CONTAINER TYPES: A = AMBER B = BRASS G = GLASS P = PLASTIC V = VOA VIAL O = OTHER

ANALYSIS: PCBs, TEPH

REMARKS: 101976

RUSH

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	COMP	GRAB	SAMPLE I.D.	WATER	SOIL	SLUDGE	OTHER	CONTAINER #	CONTAINER TYPE	PCBs	TEPH
1	8-9-10	1330		X			X			1	G	X	X
2	8-9-10	1335		X			X			1	G	X	X
3	8-9-10	1340		X			X			1	G	X	X
4	8-9-10	1345		X			X			1	G	X	X
5	8-9-10	1350		X		X				4	G	X	X

CHECK ONE BOX:
DISPOSE SAMPLES
RETURN SAMPLES

The undersigned hereby acknowledges having received a copy of the Fee Schedule/General Information and Conditions, the provisions of which are a part of this agreement.

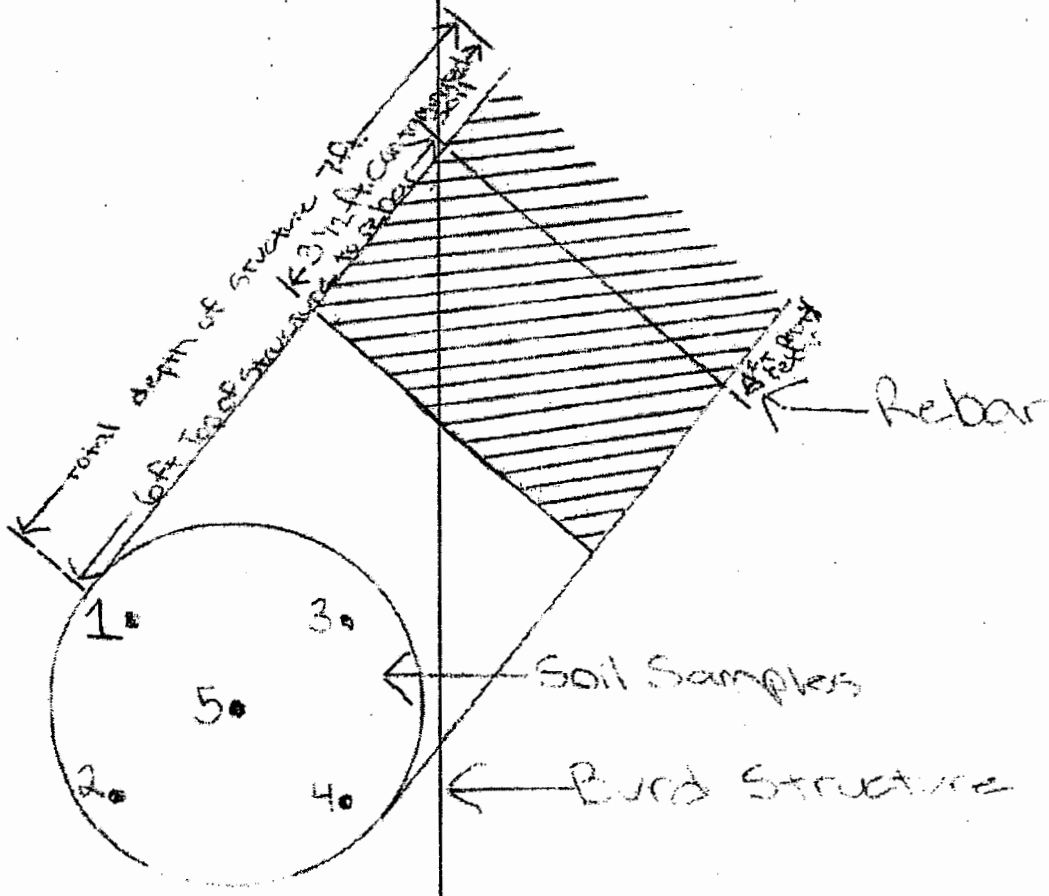
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Robert Martinez	8-10-10 0900	[signature]			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time		

TURN AROUND TIME

(24 Hr.) circled	X	5 Day
48 Hr.		Standard
72 Hr.		Other

WHITE COPY______ CANARY COPY______ PINK COPY______

Cleanup Day 1
(7-18-10)



Driveway

Sidewalk

Prepared For: Southern California Edison
10060 Telegraph Road
Ventura, CA 93004

July 21, 2010

ATTENTION: Andy Melendez

Laboratory No: 101743
Date Received: 19-JUL-10
Project: 3701 Capstan Cir., Westlake Village
Project No: VC00156
Purchase Order No: 900169326

Sampled By: Client
ID: See Below

RESULTS

On Jul 19, 2010, five (5) samples were received for analysis by Capco Analytical Services, Inc. The samples were identified and assigned the lab numbers listed below. This report consists of 8 pages excluding the cover letter and the Chain of Custody.

SAMPLE DESCRIPTION	CAS LAB NUMBER
#1	10174301
#2	10174302
#3	10174303
#4	10174304
#5	10174305

Alin E. Repede, MS
Director - Analytical Operations

Client:	**SOUTHERN CALIFORNIA EDISON**	**Date Received:**	**7/19/2010**
CAS Lab No:	**101743**	**Date Extracted:**	**7/19/2010**
Matrix:	**SOIL**	**Date Analyzed:**	**7/19/2010**

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS
EPA METHOD 8015M

CERTIFICATE OF ANALYSIS

Compound	Concentration mg/kg	Dilution Factor	MDL mg/Kg	PQL mg/kg	Surrogate % Recovery
CAS Lab # :	**101743-01**				
Client ID :	**#1**				
TEPH	12000	1	2	10	65
CAS Lab # :	**101743-02**				
Client ID :	**#2**				
TEPH	5600	1	2	10	71
CAS Lab # :	**101743-03**				
Client ID :	**#3**				
TEPH	12000	1	2	10	66
CAS Lab # :	**101743-04**				
Client ID :	**#4**				
TEPH	7900	1	2	10	70

Surrogate: n-Undecane
Surrogate Control Limits: 48 - 114 %

MDL: Method Detection Limit
PQL: Practical Quantitation Limit
ND: Not Detected; < 2mg/Kg
"J": Sample Analysis Result > MDL, but < PQL

Client:	**SOUTHERN CALIFORNIA EDISON**	**Date Received:**	**7/19/2010**
CAS Lab No:	**101743**	**Date Extracted:**	**7/19/2010**
Matrix:	**SOIL**	**Date Analyzed:**	**7/19/2010**

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS
EPA METHOD 8015M

CERTIFICATE OF ANALYSIS

Compound	Concentration mg/kg	Dilution Factor	MDL mg/Kg	PQL mg/kg	Surrogate % Recovery
CAS Lab # :	**101743-05**				
Client ID :	**#5**				
TEPH	2200	1	2	10	61
CAS Lab # :	**101743-MB**				
Client ID :	**Method Blank**				
TEPH	<2	1	2	10	73

Surrogate: n-Undecane
Surrogate Control Limits: 48 - 114 %

MDL: Method Detection Limit
PQL: Practical Quantitation Limit
ND: Not Detected; < 2mg/Kg
"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#1	Date Extracted:	07/19/10
CAS LAB NO:	101743-01	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.70	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene (TCMX)	58	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#2	Date Extracted:	07/19/10
CAS LAB NO:	101743-02	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.19	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene (TCMX)	51	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#3	Date Extracted:	07/19/10
CAS LAB NO:	101743-03	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	1.5	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene (TCMX)	72	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#4	Date Extracted:	07/19/10
CAS LAB NO:	101743-04	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.68	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene (TCMX)	63	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

1536 Eastman Ave. Suite B, Ventura, California 93003 Ph: (805)644-1095 FAX: (805)644-9947
www.capcoenv.com

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#5	Date Extracted:	07/19/10
CAS LAB NO:	101743-05	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.44	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
Tetrachloro-m-xylene(TCMX)	57	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	N/A
Sample ID:	Method Blank	Date Extracted:	07/19/10
CAS LAB NO:	101743-MB	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	<0.02	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
Tetrachloro-m-xylene(TCMX)	64	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

CAPCO ANALYTICAL SERVICES

1536 Eastman Avenue, Suite B
Ventura, CA 93003
(805) 644-1095 Fax 644-9947
www.capcoenv.com

CHAIN OF CUSTODY RECORD

REPORT
Fax
Company SCE
Address 10060 Telegraph Rd.
Ventura, CA Email Andy.melendez@sce.com
Phone 805-223-3091 Contact Andy Melendez

BILL TO: P.O.# 9001693866
Company Patriot
Address 2457 N. Ventura Ave. Bldg. F
Ventura, CA 93001
Phone 805-765-3768 Contact Robert Martinez

PROJ. NO: VC00156
PROJECT NAME: 3701 Capstan Cir., Westlake Village

SAMPLERS: (Signature) Robert Martinez

CONTAINER TYPES
A = AMBER B = BRASS G = GLASS
P = PLASTIC V = VOA VIAL O = OTHER

RUSH
101743

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	COMP	GRAB	SAMPLE IDENTIFICATION	MATRIX: WATER	SOIL	SLUDGE	OTHER	CONTAINER #	CONTAINER TYPE	ANALYSIS: PCBs	Lead	REMARKS
1	7-19-10	1400		X			X			1	G	X	X	
2	"	1405		X			X			1	G	X	X	Bill To:
3	"	1410		X			X			1	G	X	X	1900 Anaheim
4	"	1415		X			X			1	G	X	X	
5	"	1420		X			X			1	G	X	X	

The undersigned hereby acknowledges having received a copy of the Fee Schedule/General Information and Conditions, the provisions of which are a part of this agreement.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Robert Martinez	7-19-10 1030	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

TURN AROUND TIME
STANDARD ☐
24 HOURS ☒
48 HOURS ☐
72 HOURS ☐
OTHER _____

CHECK ONE BOX:
DISPOSE SAMPLES ☒
RETURN SAMPLES ☐

WHITE COPY _____ CANARY COPY _____ PINK COPY _____

SOUTHERN CALIFORNIA EDISON

An *EDISON INTERNATIONAL* Company

Material Testing Laboratory
Shop Services and Instrumentation Department

Attention: Phil Jonas / Al Camas

Report Date: 7/18/2010

Location: Thousand Oaks S/C

PCB In Oil by EPA Method 8082A/8000C
Sample Extraction: EPA 3580
CAELAP#1536

Sample Date:	7/18/2010
Analysis Date:	7/18/2010

Laboratory ID	Unique Sample ID	Sampling Location Address *(Field/District/Substation)*	Structure Number	Equipment Type / Compartment	Serial Number	Gallons	[redacted]	PCB Conc. mg/kg
CSP2282-071810	072381	3701 Capstain Clr, Westlake	5024599		H235218P68A		[redacted]	166.
							[redacted]	
							[redacted]	
							[redacted]	
							[redacted]	

*RL Reporting Limit - for laboratory use only

If you have questions about this report please contact the Material Testing Laboratory at (714)895-0522 or PAX 54522

Comments: (If any)

OSS 18111

Analyzed By:

Date: M. Hoseng 7/18/10

Reviewed by:

Date: T. Hueg 7/19/10

SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

CHAIN OF CUSTODY RECORD

1 CUSTOMER CONTACT NAME:	PHONE NUMBER:	EMAIL ADDRESS:	FAX:
Alvaro Camas	626-261-2940	Alvaro.Camas@sce.com	

2 IF SAMPLE DELIVERED BY PONY: PRINT PONY LOCATION: Thousand Oaks S/C

3 PROJECT NAME (If Any): Bird Structure Cleanup — SEND ANALYTICAL RESULTS TO: Alvaro Camas — ☒ Via Email ☐ Via Fax

4 PROVIDE VALID SAP ACCOUNTING: [redacted] 900226891

LAB ADDRESS: Materials Testing Lab 7351 Fenwick Lane, Westminster, CA 92683 TEL #: (714) 895-0522 FAX: 54522
Working Hours: M-F 7:00 AM – 3:30 PM (24 Hrs Emergency Services Available; Contact Edison Operator)

For Lab Use Only Lab ID	5 Unique Sample Number	6 Sampling Location Address (Field/District/Substation)	7 Structure Number (If Applicable)	8 Equipment Type and/or Phase	9 Equipment Compartment	10 Serial Number (PRINT CLEARLY)	11 Gallons	12 Sample Date	Time Sampled	14 Matrix	15 Tests: PCB	TPH	Other
CSP2282 071810	072381	3701 Capstain Cir Westlake Village, CA	5024594			H235218P68A		7-16-10			X		
	072382												
	072383												
	072384												
	072385												

16
Sample(s) Collected by (Name): Robert Martinez Signature: Robert Martinez Preservatives Used: Yes ☐ No ☒

Relinquished By: Robert Martinez	Date: 7-18-10	Time: 1435	Received By:	Date/Time	7-18-2010 1435
Relinquished By:	Date: 7.18.10	Time: 16:22	Received By:	Date/Time	7-18-10 1623
Relinquished By:	Date:	Time:	Received By: B. Herring	Date/Time	7/18/10 1645

17 IF SAMPLE DELIVERED IN PERSON:
YOUR NAME: YOUR PHONE #:

18 TURNAROUND TIME:
☐ Normal (3-5 Days)
☒ Same Day (100% Surcharge)
☐ 24 Hrs. (75% Surcharge)

19 COMMENTS (If Any): Contact Alvaro Camas A.S.A.P. with PCBs Results

20 Fill This Section Only If Applicable
If Sample Is From a Spill: Oil Spill Number: 18111

SCE 18-312 REV 10/09 (CW)

COPY DISTRIBUTION: White - Material Testing Lab, SSD, Canary - Emergency Response Vendor, Pink - Edison Generator, Goldenrod - Safety and Environmental Specialist (SES)

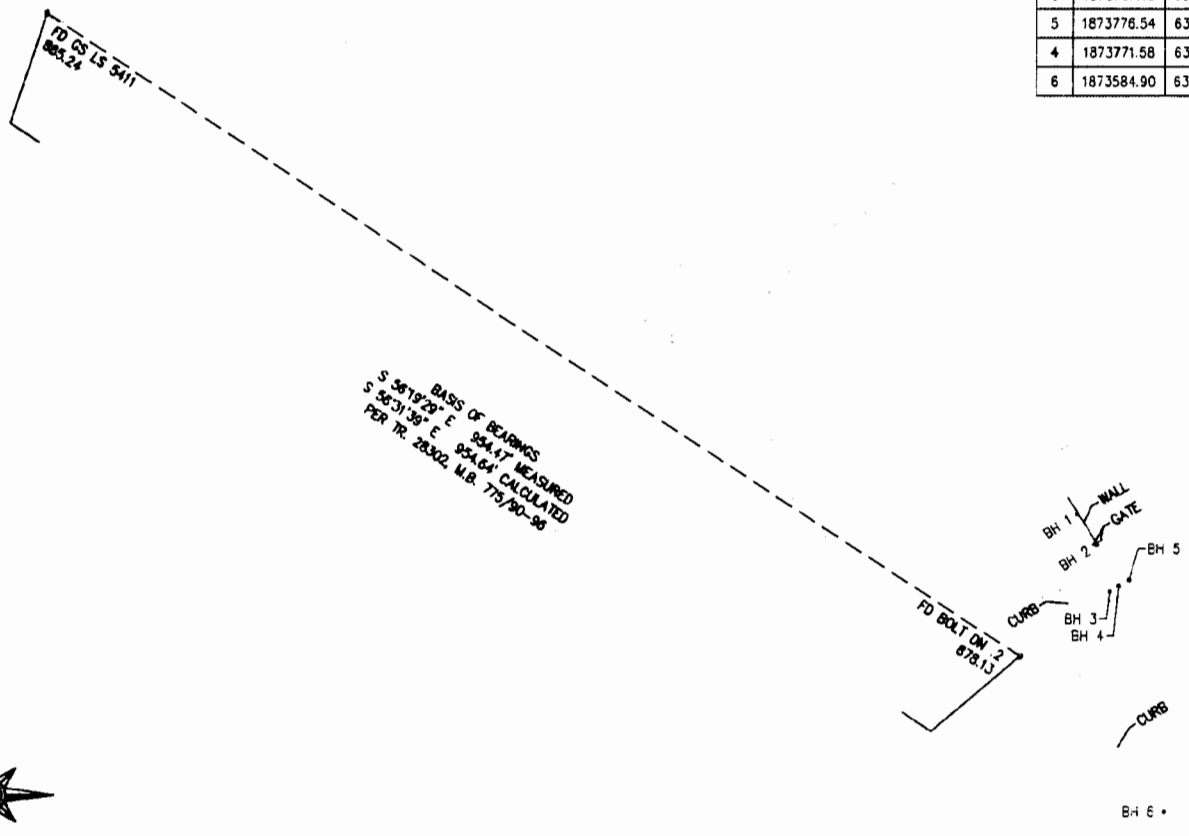
APPENDIX B

LICENSED SURVEYOR REPORT

Table B-1 – Surveyor Boring Numbers Translated to Record Boring Numbers

Surveyor Designation	Designation of Record
BH-1	HA-1
BH-2	HA-2
BH-3	DP-1
BH-4	DP-2
BH-5	DP-3
BH-6	DP-4

BORE HOLE			
No.	NORTHING	EASTING	ELEVATION
1	1873830.85	6311779.29	879.84
2	1873805.73	6311795.00	879.68
3	1873767.10	6311805.90	878.94
5	1873776.54	6311821.53	878.76
4	1873771.58	6311813.02	878.89
6	1873584.90	6311849.57	878.80



0 100 200
SCALE IN FEET

HORIZONTAL CONTROL: NAD 83, ZONE 5

VERTICAL CONTROL: NAVD 88

NGS CONTROL POINT, RUSSELL VALLEY G5
FOUND GEAR SPIKE, TAG LS 5411
ELEVATION: 887.58

PROJECT NAME: BORE HOLES @ 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE | 2/3/2011 6:35 AM | M.S. 56-74
MAP & F.B. REF: - | CITY: WESTLAKE VILLAGE | COUNTY: LOS ANGELES
DRAWN BY: M. SUDZINSKI | SURVEYED BY: CRAMTON-CALLO-RODRIGUEZ | CHECKED BY: L. KELLEY
DATE: - | LAND INFO.: - | SER.: -
WORK ORDER NO.: 8006841512 | NOTIFICATION NO.: 201281401 | File Name: T:\ARCHIVE\DRAWING\ 2011-201281401 .DWG

EDISON

APPENDIX C

LOS ANGELES COUNTY GROUNDWATER SAMPLING PERMIT

WELL PERMIT APPLICATION - NON PRODUCTION WELLS

DRINKING WATER PROGRAM - ENVIRONMENTAL HEALTH DIVISION
5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706 TELE (626) 430-5420 FAX (626) 813-3016

DATE 12/21/2010

☐ NEW WELL CONSTRUCTION ☐ RECONSTRUCTION OR RENOVATION ☐ DECOMMISSIONING ☐ OTHER: _____
☐ MONITORING ☐ CATHODIC ☐ INJECTION ☐ EXTRACTION ☐ HEAT EXCHANGE
☒ HYDROPUNCH ☐ C P T (For Ground Water Sampling) ☐ OTHER: _____

Site Address: 3701 CAPSTAN CIRCLE		City: WESTLAKE VILLAGE	Zip Code: 91361
Nearest Intersection: TRIUNFO CANYON ROAD	Thomas Guide Map Book Page/Grid: LACOUNTY 557/ C7		Number of Wells in Each Parcel: 6
Total Depth of Well	Depth of Well Casing	Sanitary / Annular Sealing Material	
Depth of Sanitary / Annular Seal	Conductor Casing Seal		
Owner's Name: SOUTHERN CALIFORNIA EDISON		Telephone Number: 909-394-8623	
Address: 300 N. LONE HILL AVE		City: SAN DIMAS	Zip Code: 91773
Driller's Name: INTERPHASE, INC		Telephone Number: 323-278-7700	C-57 License Number: 730421
Address: 6200 PEACHTREE ST. LOS ANGELES		City	Zip Code: 90040
Well Depth ☐ log/records	Method of Well Assessment		Depth and Number of Perforations
Type and Amount of Sealant	Type of Perforator	Size of Perforations	Method of Upper Seal Pressure Application
Company: SCE GEOTECHNICAL GROUP			
Address: 300 N. LONE HILL AVE		City: SAN DIMAS	State: CA Zip Code: 91773
Project Manager: DAVID VAN HORSEN	Telephone Number: 909-394-8623		Fax Number: 909-394-8610

ATTENTION: WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS DEPARTMENT.

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction, and decommissioning data deemed necessary by the County Environmental Health Division Of Los Angeles County.

Signature of Applicant: David M. Van Horsen Printed Name: DAVID M VAN HORSEN

THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED OFF BY THE DEPUTY HEALTH OFFICER. WELL CONSTRUCTION OR DECOMMISSIONING CANNOT BE INITIATED WITHOUT A WORK PLAN APPROVAL FROM THIS DEPARTMENT.

**********(DEPARTMENT USE ONLY)**********

Conditions: Observe work plan and maintain all setbacks. Please notify 48hrs prior to field work at Ajuarez@ph.lacounty.gov - (213) 761-0708	REHS: Arnoldo Juarez 1/07/11
	REHS DATE

NOTICE

This well permit approval is limited to compliance with the California Well Standards and the Los Angeles County Code and does not grant any rights to construct, reconstruct, or decommission any well. The applicant is responsible for securing all other necessary permits.

WELL PERMIT APPLICATION - NON PRODUCTION WELLS

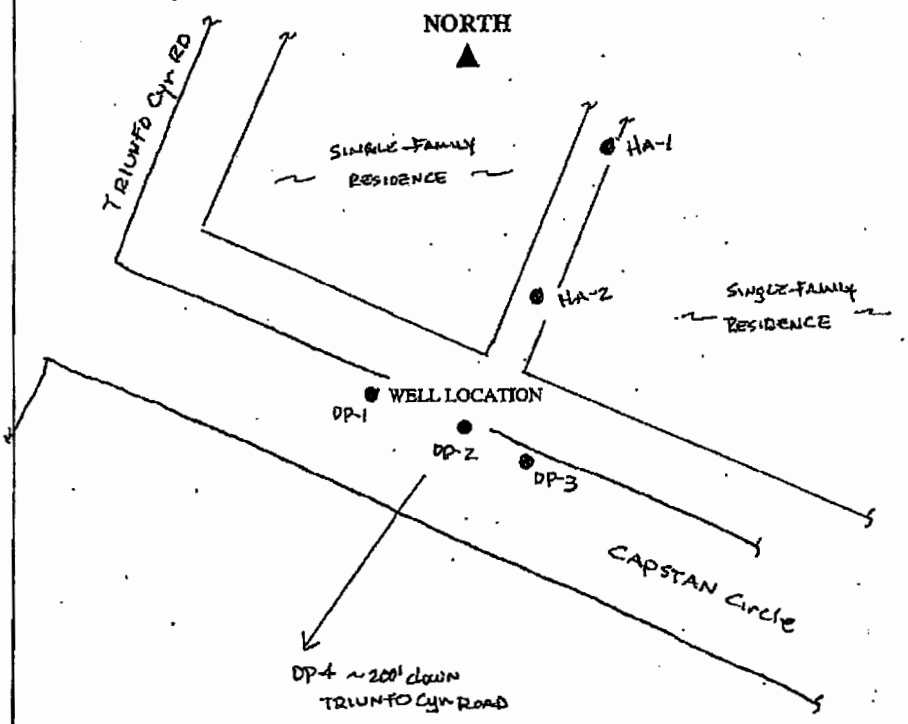
Well Location (Include distances from road and major cross streets)

SAMPLING IN ROADWAY 100'± FROM INTERSECTION OF CAPSTAN CIRCLE & TRIUNFO CANYON ROAD

Projected Start Date:	Projected End Date:
JANUARY 10, 2011	January 14, 2011

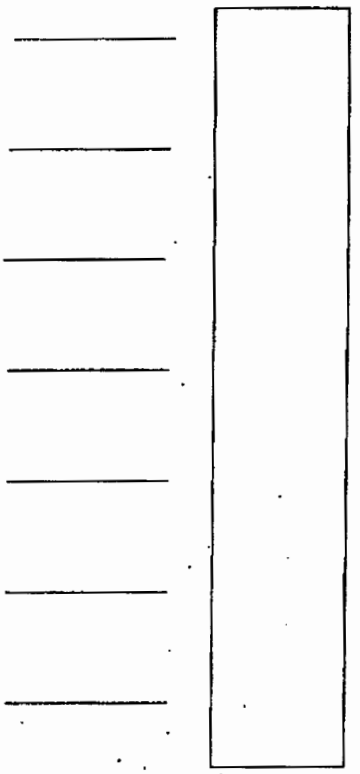
WELL LOCATION DIAGRAM

A site inspection of the well location must be marked and clearly marked with the owner's name or well #.



Provide a scaled drawing (1 inch = 50 feet) with labels and dimensions, indicating property lines, private sewage disposal systems and other possible sources of contamination within 200 feet of the well site. Attach all supporting documents.

WELL DECOMMISSIONING DIAGRAM



WORK PLAN DETAILS

Method of construction or decommissioning

ADVANCE direct-push to ~12-FEET bgs. WATER reported at 8'bgs. Collect WATER SAMPLE with bailer or peristaltic pump. BACKFILL boring with bentonite chips, hydrate, and patch Asphalt surface

Two locations will be advanced with Hand Auger. Sampling and hole abandonment will be as described Above

NOTES/COMMENTS (Department Use Only)

APPENDIX D

SOIL BORING LOGS

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig:	Geoprobe	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia:	2.25 Inches	Boring Number: DP-1	E. Carlisle

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					Asphalt on surface (4 inches)
					(SP) Brown GRAVELLY SAND with fine gravel, fine- to mostly coarse-grained, medium dense, moist
			5		(ML) Dark Brown SANDY SILT with some clay, low plasticity, dense, moist
	2.2				
			10		(SP) Brown SAND with some silt and fine Gravel, fine-grained sand, dense, moist
					grades to Dark Brown SILTY SAND with clay and trace fine gravel
			15		
					BOTTOM OF BORING AT 16 FEET GROUNDWATER OBSERVED VISUALLY AT 12 FEET GROUNDWATER DETECTED AT 6.4 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 16 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 16 to 6 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig:	Geoprobe	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia:	2.25 Inches	Boring Number: DP-2	E. Carlisle

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					Asphalt on surface (4 inches) (SM) Brown SAND with silt and occational fine gravel, fine- to mostly coarse-grained, medium dense, dry
			5		(ML) Dark Brown SILT with clay and some fine-grained sand, low plasticity, moist wet
	13.1				
			10		grades to SANDY SILT, medium- to coarse-grained sand
					BOTTOM OF BORING AT 12 FEET GROUNDWATER OBSERVED VISUALLY AT 6.5 FEET GROUNDWATER DETECTED AT 6.2 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm
			15		

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 12 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 12 to 7 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig:	Geoprobe	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia:	2.25 Inches	Boring Number: DP-3	E. Carlisle

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					Asphalt on surface (4 inches)
					(SM) Brown SILTY SAND with occational fine gravel, fine- to medium-grained, dense, dry
			5		(CL) Brown CLAYEY SILT, high plasticity, moist
	17				(SM) Brown SAND with silt, fine- to medium-grained, wet
			10		grades to more coarse-grained SAND with depth
					BOTTOM OF BORING AT 12 FEET GROUNDWATER OBSERVED VISUALLY AT 7 FEET GROUNDWATER DETECTED AT 6.4 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm
			15		

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 12 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 12 to 7 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig: Geoprobe	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia: 2.25 Inches	Boring Number: DP-4	E. Carlisle

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					Asphalt on surface (6 inches)
					(SM) Brown SILTY SAND with fine gravel, fine- to mostly coarse-grained, loose to medium dense, dry
			5		(ML) Brown to Dark Brown SANDY SILT with some fine to coarse Gravel, fine- to coarse-grained sand, dense, moist
	0.0				grades to Dark Brown SILT with some clay, interbeds of coarse-grained GRAVELLY SAND, moist to dry
			10		(SP) Brown to Chalky Grey SAND with some fine Gravel, fine- to medium-grained, dry
			15		BOTTOM OF BORING AT 16 FEET NO GROUNDWATER OBSERVED NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 16 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 16 to 11 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig:	Hand Auger	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia:	2.25 Inches	Boring Number: HA-1	ZAF

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					(SM) Brown SILTY SAND, fine- to coarse-grained, poorly graded, sub-angular to sub-rounded, slightly moist
					(SC) Brown to Tan CLAYEY SAND, fine- to coarse-grained, sub-angular to sun-rounded, medium plasticity, moist
			5		(SW) Brown to Tan GRAVELLY SAND, fine- to coarse-grained sand, fine gravel, sub-rounded, slightly dense, moist
					grades to Dark Brown SAND
	19.7				
			10		BOTTOM OF BORING AT 10 FEET GROUNDWATER OBSERVED VISUALLY AT 9 FEET GROUNDWATER DETECTED AT 7.5 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm
			15		

Completion Notes:

Installed and removed 1 Inch PVC temporary groundwater sampling well to 10 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 10 to 5 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig: Hand Auger	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia: 2.25 Inches	Boring Number: HA-2	E. Carlisle

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					(ML) Brown SANDY SILT, fine- to medium-grained sand, medium dense, dry
			5		(CL) Dark Brown CLAYEY SILT/SILTY CLAY, medium plasticity, moist Increasing clay content with depth
	14.7				(SM) Brown SILTY SAND, medium- to coarse-grained, slightly dense, wet
			10		(SP) Light Brown SAND, medium- to coarse-grained, sub-rounded to sub-angular, medium dense, wet
			15		BOTTOM OF BORING AT 12 FEET GROUNDWATER OBSERVED VISUALLY AT 8 FEET GROUNDWATER DETECTED AT 6.9 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 12 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 12 to 7 feet bgs

Site:

Westlake Village GW Sampling

APPENDIX E

ANALYTICAL TESTING RESULTS AND CHAIN OF CUSTODY

February 04, 2011

David Van Horsen
Southern California Edison
300 N. Lone Hill Avenue
San Dimas, CA 91773

TEL: (909) 394-8623
FAX: (909) 394-8593

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003

Workorder No.: 115793

RE: Westlake Village GW Sampling, 313725

Attention: David Van Horsen

Enclosed are the results for sample(s) received on January 13, 2011 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Southern California Edison
Project: Westlake Village GW Sampling, 313725
Lab Order: 115793

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Sample Receiving / General Comments

PCB analysis was requested beyond hold time for sample 115793-016A. Results are flagged with an "H" qualifier.

"ND" is defined as less than Method Detection Limit (MDL).

Analytical Comments for Method 8082

Surrogate recovery biased low possibly for sample 115793-007A, due to matrix interferences.

Higher detection limits were required for groundwater sample DP-4, due to insufficient sample volume.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-1@8'
Lab Order:	115793	**Collection Date:**	1/12/2011 10:21:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-001A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Surr: Decachlorobiphenyl	95.6	0	36-124		%REC	1	1/19/2011 02:14 PM
Surr: Tetrachloro-m-xylene	74.0	0	35-141		%REC	1	1/19/2011 02:14 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-2@7'
Lab Order:	115793	**Collection Date:**	1/12/2011 10:48:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-002A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Surr: Decachlorobiphenyl	66.7	0	36-124		%REC	1	1/19/2011 02:45 PM
Surr: Tetrachloro-m-xylene	55.4	0	35-141		%REC	1	1/19/2011 02:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-3@8'
Lab Order:	115793	**Collection Date:**	1/12/2011 11:29:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Surr: Decachlorobiphenyl	97.1	0	36-124		%REC	1	1/19/2011 03:16 PM
Surr: Tetrachloro-m-xylene	72.9	0	35-141		%REC	1	1/19/2011 03:16 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-4@8'
Lab Order:	115793	**Collection Date:**	1/12/2011 9:46:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-004A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Surr: Decachlorobiphenyl	90.9	0	36-124		%REC	1	1/19/2011 03:47 PM
Surr: Tetrachloro-m-xylene	71.5	0	35-141		%REC	1	1/19/2011 03:47 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Feb-11*

CLIENT:	Southern California Edison	**Client Sample ID:**	HA-1-9'
Lab Order:	115793	**Collection Date:**	1/12/2011 1:24:00 PM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-005A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Surr: Decachlorobiphenyl	114	0	36-124		%REC	1	1/19/2011 04:18 PM
Surr: Tetrachloro-m-xylene	94.3	0	35-141		%REC	1	1/19/2011 04:18 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	HA-2-6'
Lab Order:	115793	**Collection Date:**	1/12/2011 1:53:00 PM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-006A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Surr: Decachlorobiphenyl	110	0	36-124		%REC	1	1/19/2011 04:49 PM
Surr: Tetrachloro-m-xylene	96.1	0	35-141		%REC	1	1/19/2011 04:49 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-1
Lab Order:	115793	**Collection Date:**	1/12/2011 10:58:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-007A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate: **1/19/2011**		Analyst: **BB**
Aroclor 1016	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1221	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1232	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1242	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1248	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1254	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1260	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1262	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1268	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Surr: Decachlorobiphenyl	37.8	0	26-112		%REC	1	1/19/2011 10:06 PM
Surr: Tetrachloro-m-xylene	46.5	0	48-130	S	%REC	1	1/19/2011 10:06 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-1 Duplicate
Lab Order:	115793	**Collection Date:**	1/12/2011 11:03:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-008A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1221	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1232	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1242	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1248	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1254	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1260	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1262	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1268	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Surr: Decachlorobiphenyl	46.5	0	26-112		%REC	1	1/19/2011 10:35 PM
Surr: Tetrachloro-m-xylene	60.4	0	48-130		%REC	1	1/19/2011 10:35 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-2
Lab Order:	115793	**Collection Date:**	1/12/2011 11:31:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-009A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1221	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1232	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1242	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1248	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1254	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1260	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1262	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1268	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Surr: Decachlorobiphenyl	42.6	0	26-112		%REC	1	1/19/2011 11:05 PM
Surr: Tetrachloro-m-xylene	60.2	0	48-130		%REC	1	1/19/2011 11:05 PM

Qualifiers:			
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Feb-11*

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-3
Lab Order:	115793	**Collection Date:**	1/12/2011 11:41:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-010A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1221	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1232	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1242	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1248	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1254	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1260	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1262	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1268	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Surr: Decachlorobiphenyl	51.1	0	26-112		%REC	1	1/19/2011 11:35 PM
Surr: Tetrachloro-m-xylene	69.3	0	48-130		%REC	1	1/19/2011 11:35 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Feb-11*

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-4
Lab Order:	115793	**Collection Date:**	1/12/2011 2:15:00 PM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-011A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1221	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1232	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1242	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1248	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1254	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1260	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1262	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1268	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Surr: Decachlorobiphenyl	64.7	0	26-112		%REC	1	1/20/2011 12:05 AM
Surr: Tetrachloro-m-xylene	88.9	0	48-130		%REC	1	1/20/2011 12:05 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	HA-1
Lab Order:	115793	**Collection Date:**	1/12/2011 1:46:00 PM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-012A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1221	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1232	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1242	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1248	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1254	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1260	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1262	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1268	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Surr: Decachlorobiphenyl	37.2	0	26-112		%REC	1	1/20/2011 12:35 AM
Surr: Tetrachloro-m-xylene	60.9	0	48-130		%REC	1	1/20/2011 12:35 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	HA-2
Lab Order:	115793	**Collection Date:**	1/12/2011 2:13:00 PM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-013A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate: **1/19/2011**	Analyst: **BB**	
Aroclor 1016	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1221	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1232	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1242	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1248	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1254	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1260	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1262	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1268	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Surr: Decachlorobiphenyl	33.5	0	26-112		%REC	1	1/20/2011 01:04 AM
Surr: Tetrachloro-m-xylene	75.5	0	48-130		%REC	1	1/20/2011 01:04 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	Equipment Blank
Lab Order:	115793	**Collection Date:**	1/12/2011 11:51:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	DISTILLED WATER
Lab ID:	115793-014A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1221	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1232	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1242	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1248	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1254	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1260	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1262	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1268	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Surr: Decachlorobiphenyl	63.4	0	26-112		%REC	1	1/20/2011 01:34 AM
Surr: Tetrachloro-m-xylene	78.5	0	48-130		%REC	1	1/20/2011 01:34 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-1 Duplicate
Lab Order:	115793	**Collection Date:**	1/12/2011 10:21:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-016A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B			**EPA 8082**			
RunID: **GC5_110203A**	QC Batch: **70379**				PrepDate:	**2/3/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1221	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1232	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1242	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1248	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1254	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1260	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1262	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1268	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Surr: Decachlorobiphenyl	70.2	0	36-124	H	%REC	1	2/3/2011 06:57 PM
Surr: Tetrachloro-m-xylene	68.3	0	35-141	H	%REC	1	2/3/2011 06:57 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-69842**	SampType: **MBLK**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **1/18/2011**	RunNo: **128947**
Client ID: **PBS**	Batch ID: **69842**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/19/2011**	SeqNo: **2090162**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	16									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	14.173		16.67		85.0	36	124				
Surr: Tetrachloro-m-xylene	13.604		16.67		81.6	35	141				

Sample ID: **LCS-69842**	SampType: **LCS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **1/18/2011**	RunNo: **128947**
Client ID: **LCSS**	Batch ID: **69842**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/19/2011**	SeqNo: **2090163**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	129.357	16	166.7	0	77.6	56	100				
Aroclor 1260	165.217	16	166.7	0	99.1	57	110				
Surr: Decachlorobiphenyl	14.063		16.67		84.4	36	124				
Surr: Tetrachloro-m-xylene	14.098		16.67		84.6	35	141				

Sample ID: **MB-69842MS**	SampType: **MS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **1/18/2011**	RunNo: **128947**
Client ID: **ZZZZZZ**	Batch ID: **69842**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/19/2011**	SeqNo: **2090164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	122.149	16	166.7	0	73.3	51	108				
Aroclor 1260	142.030	16	166.7	0	85.2	53	120				
Surr: Decachlorobiphenyl	13.669		16.67		82.0	36	124				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: MB-69842MS	SampType: MS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 1/18/2011	RunNo: 128947
Client ID: ZZZZZZ	Batch ID: 69842	TestNo: EPA 8082	EPA 3550B	Analysis Date: 1/19/2011	SeqNo: 2090164

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	12.886		16.67		77.3	35	141				

Sample ID: MB-69842MSD	SampType: MSD	TestCode: 8082_S	Units: µg/Kg	Prep Date: 1/18/2011	RunNo: 128947
Client ID: ZZZZZZ	Batch ID: 69842	TestNo: EPA 8082	EPA 3550B	Analysis Date: 1/19/2011	SeqNo: 2090165

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	125.977	16	166.7	0	75.6	51	108	122.1	3.09	20	
Aroclor 1260	143.921	16	166.7	0	86.4	53	120	142.0	1.32	20	
Surr: Decachlorobiphenyl	14.082		16.67		84.5	36	124		0	20	
Surr: Tetrachloro-m-xylene	13.517		16.67		81.1	35	141		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-70379**	SampType: **MBLK**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **2/3/2011**	RunNo: **129550**
Client ID: **PBS**	Batch ID: **70379**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **2/3/2011**	SeqNo: **2102288**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	16									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	9.500		16.67		57.0	36	124				
Surr: Tetrachloro-m-xylene	11.596		16.67		69.6	35	141				

Sample ID: **LCSA-70379**	SampType: **LCS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **2/3/2011**	RunNo: **129550**
Client ID: **LCSS**	Batch ID: **70379**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **2/3/2011**	SeqNo: **2102289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	110.185	16	166.7	0	66.1	56	100				
Aroclor 1260	119.058	16	166.7	0	71.4	57	110				
Surr: Decachlorobiphenyl	10.082		16.67		60.5	36	124				
Surr: Tetrachloro-m-xylene	12.048		16.67		72.3	35	141				

Sample ID: **115793-016AMSA**	SampType: **MS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **2/3/2011**	RunNo: **129550**
Client ID: **DP-1 Duplicate**	Batch ID: **70379**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **2/3/2011**	SeqNo: **2102290**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	129.861	16	166.7	0	77.9	51	108				H
Aroclor 1260	144.220	16	166.7	0	86.5	53	120				H
Surr: Decachlorobiphenyl	12.261		16.67		73.6	36	124				H
Surr: Tetrachloro-m-xylene	13.593		16.67		81.5	35	141				H

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **115793-016AMSDA** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **2/3/2011** RunNo: **129550**
Client ID: **DP-1 Duplicate** Batch ID: **70379** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **2/3/2011** SeqNo: **2102291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	127.124	16	166.7	0	76.3	51	108	129.9	2.13	20	H
Aroclor 1260	141.367	16	166.7	0	84.8	53	120	144.2	2.00	20	H
Surr: Decachlorobiphenyl	12.288		16.67		73.7	36	124		0	20	H
Surr: Tetrachloro-m-xylene	13.081		16.67		78.5	35	141		0	0	H

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **MB-69859**	SampType: **MBLK**	TestCode: **8082_W**	Units: **µg/L**	Prep Date: **1/19/2011**	RunNo: **128977**
Client ID: **PBW**	Batch ID: **69859**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **1/19/2011**	SeqNo: **2090672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	0.50									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Aroclor 1262	ND	0.50									
Aroclor 1268	ND	0.50									
Surr: Decachlorobiphenyl	0.395		0.5000		78.9	26	112				
Surr: Tetrachloro-m-xylene	0.438		0.5000		87.6	48	130				

Sample ID: **LCS-69859**	SampType: **LCS**	TestCode: **8082_W**	Units: **µg/L**	Prep Date: **1/19/2011**	RunNo: **128977**
Client ID: **LCSW**	Batch ID: **69859**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **1/19/2011**	SeqNo: **2090673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.939	0.50	5.000	0	78.8	54	97				
Aroclor 1260	4.217	0.50	5.000	0	84.3	56	103				
Surr: Decachlorobiphenyl	0.397		0.5000		79.4	26	112				
Surr: Tetrachloro-m-xylene	0.445		0.5000		88.9	48	130				

Sample ID: **MB-69859-MS**	SampType: **MS**	TestCode: **8082_W**	Units: **µg/L**	Prep Date: **1/19/2011**	RunNo: **128977**
Client ID: **ZZZZZZ**	Batch ID: **69859**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **1/19/2011**	SeqNo: **2090674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.878	0.50	5.000	0	77.6	54	97				
Aroclor 1260	4.069	0.50	5.000	0	81.4	56	103				
Surr: Decachlorobiphenyl	0.398		0.5000		79.5	26	112				
Surr: Tetrachloro-m-xylene	0.442		0.5000		88.3	48	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **MB-69859-MSD**	SampType: **MSD**	TestCode: **8082_W**	Units: **µg/L**	Prep Date: **1/19/2011**	RunNo: **128977**
Client ID: **ZZZZZZ**	Batch ID: **69859**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **1/19/2011**	SeqNo: **2090675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.943	0.50	5.000	0	78.9	54	97	3.878	1.68	20	
Aroclor 1260	4.153	0.50	5.000	0	83.1	56	103	4.069	2.05	20	
Surr: Decachlorobiphenyl	0.409		0.5000		81.7	26	112		0	0	
Surr: Tetrachloro-m-xylene	0.453		0.5000		90.6	48	130		0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Calculations are based on raw values

Advanced Technology Laboratories *3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040*

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

Logged By: [illegible] Date: 1/14/11

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☑ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED 5.6 Y ☑ N ☐ 4. CUSTODY SEAL Y ☑ N ☐
2. HEADSPACE (VOA) Y ☐ N/A ☐ 5. # OF SPLS MATCH COC Y ☑ N ☐
3. CONTAINER INTACT Y ☑ N ☐ 6. PRESERVED Y ☐ N ☑

Client: **Southern California Edison** Address: 300 N. Lone Hill Avenue TEL: (909) 394-8947
Attn: David Van Horsen City San Dimas State CA Zip Code 91773 FAX: (909) 394-8610

Project Name: Westlake Village GW Sampling Project #: 313725 Sampler: (Printed Name) Ethan Carlisle (Signature)

Relinquished by: (Signature and Printed Name) Date: 1-13-11 Time: 10:01 Received by: (Signature and Printed Name) Date: 1/13/11 Time: 1010

Relinquished by: (Signature and Printed Name) Date: 1/13/11 Time: 1300 Received by: (Signature and Printed Name) FEDEX Date: 1/13/11 Time: 1300

Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ethan Carlisle 1-12-11 (Print Name / Date)
Signature

Send Report To: Attn: _____ Co: SAME AS ABOVE Addr: _____ City: _____ State: _____ Zip: _____

Bill To: Attn: _____ Co: SAME AS ABOVE Addr: _____ City: _____ State: _____ Zip: _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	1664 SGT/HEM (TRPH)	SPECIFY APPROPRIATE MATRIX: SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	CONCRETE	TAT	Container(s): #	Type	PRESERVATION	QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode _ OTHER _	REMARKS
	115793-1	DP-1 @ 8'	1-12-11	10:21	X											X							E	1	T	P	
	2	DP-2 @ 7'		10:48	X											X							E	1	T	P	
	3	DP-3 @ 8'		11:29	X											X							E	1	T	P	
	4	DP-4 @ 8'		9:46	X											X							E	1	T	P	
	5	HA-1-9'		13:24	X											X							E	1	J	6	
	6	HA-2-6'		13:53	X											X							E	1	J	6	
	7	DP-1		10:58	X													X					E	1	L	6	
	8	DP-1 Duplicate		11:03	X													X					E	1	L	6	
	9	DP-2		11:31	X													X					E	1	L	6	
	10	DP-3	1-12-11	11:41	X													X					E	1	L	6	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: ☐A= Overnight ≤ 24 hrs ☐B= Emergency Next workday ☐C= Critical 2 Workdays ☐D= Urgent 3 Workdays ☐E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report. **Yellow** to folder. **Pink** to submitter.

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY:

Method of Transport
☐ Client ☑ ATL
☐ FedEx ☐ OnTrac
☐ GSO
☐ Other: ___

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. CUSTODY SEAL Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: **Southern California Edison**
Address: 300 N. Lone Hill Avenue
TEL: (909) 394-8947
Attn: David Van Horsen
City San Dimas State CA Zip Code 91773
FAX: (909) 394-8610

Project Name: Westlake Village GW Sampling Project #: 313725
Sampler: (Printed Name) Ethan Carlisle (Signature)

Relinquished by: (Signature and Printed Name) Date: 1-13-11 Time: 10:01 Received by: (Signature and Printed Name) Date: 1/13/11 Time: 816
Relinquished by: (Signature and Printed Name) Date: 1/13/11 Time: 1320 Received by: (Signature and Printed Name) FPDHL Date: 1/13/11 Time: 1320
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Ethan Carlisle (Print Name) 1-12-11 (Date)
(Signature)

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To
Attn:
Co SAME AS ABOVE
Addr:
City State: Zip:

Special Instructions/Comments:
*DP-4 has very low amount of sample due to lack of temporary well production.

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	1664 SGT-HEM (TRPH)	SEDIMENT	SOLID	SOIL	DRINKING WATER - Dissolved	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	CONCRETE	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	11543 - 11	DP-4	1-12-11	14:15	X												X						E	1	L	6	
	12	HA-1	"	13:46	X												X						E	1	L	6	
	13	HA-2	"	14:13	X												X						E	1	L	6	
	14	Equipment Blank	1-12-11	11:51	X											X							E	1	L	6	

PRESERVATION: QA/QC ☐ RTNE ☐ CT ☐ Legal ☐ SWRCB Logcode ☐ OTHER

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: ☐A= Overnight ≤ 24 hrs ☐B= Emergency Next workday ☐C= Critical 2 Workdays ☐D= Urgent 3 Workdays ☐E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report Yellow to folder Pink to submitter

Diane Galvan

From: David.Vanhorsen@sce.com
Sent: Thursday, February 03, 2011 11:48 AM
To: Diane Galvan
Subject: RE: J-Flag Results

DP-1 Duplicate...

dvh
David Van Horsen, RG, CEG
Technical Specialist 4
Engineering & Technical Services
Power Production Department
Pax 47623
OFC-909-394-8623
Cell-818-469-6943

From: "Diane Galvan" <diane@atlglobal.com>
To: <David.Vanhorsen@sce.com>
Date: 02/03/2011 11:43 AM
Subject: RE: J-Flag Results

Hi David,

OK, I will generate a new report once the DUP analysis has been completed tomorrow. How do you want the sample ID to be listed for the duplicate run? Please advise.

Thanks,

Diane

From: David.Vanhorsen@sce.com [mailto:David.Vanhorsen@sce.com]
Sent: Thursday, February 03, 2011 11:37 AM
To: Diane Galvan
Subject: Re: J-Flag Results

Diane:

OK.. I think this looks good.

1. Please analyze remaining soil from sample DP-1 as the duplicate sample. This sample should be on a 24 hour rush basis.

2. In the final lab report (to contain the requested soil duplicate test) please include a Case Narrative sheet with the following:

"Higher detection limits were required for groundwater sample from DP-4 due to insufficient sample quantity"

"ND" is defined as less than MDL.

Thank you for the help working through this.

Regards,

dvh

David Van Horsen, RG, CEG
Technical Specialist 4
Engineering & Technical Services
Power Production Department
Pax 47623
OFC-909-394-8623
Cell-818-469-6943

ATTACHMENT # 4

SCE Site Assessment Report and Soil Excavation Plan dated June 27, 2011

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

July 21, 2011

Peter J. Raftery, PG, CHG.
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Certified Mail Receipt # 7010 0780 0000 5787 3782

Subject: **TRANSMITTAL OF SITE ASSESSMENT REPORT & SOIL EXCAVATION PLAN - SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE No. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254, SITE ID. NO. 2040385)**

Dear Mr. Raftery:

Enclosed is the signed and stamped original copy of the subject Technical Report which includes a soil excavation plan that is associated with the approval of the proposed additional assessment by the Regional Board on April 13, 2011. The document is also being uploaded electronically via Geotracker.

If you have any questions and/or need additional information, please feel free to call me at (626) 462-8740.

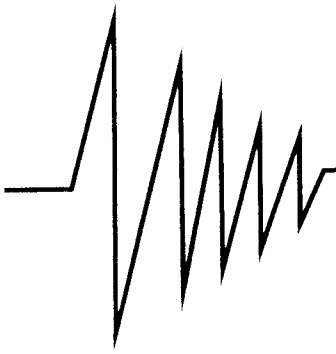
Best Regards,

Mary Zepeda
Project Manager
Operations Support Business Unit
Water/Waste and Environmental Engineering
Technical Services and Program Management Section
Corporate Environment, Health & Safety Division
Southern California Edison

Cc: Josh Nichols

Enclosure

1218 S. 5th Avenue
Monrovia, CA 91016



GEOTECH GROUP

Southern California Edison

SOUTHERN CALIFORNIA
EDISON

An *EDISON INTERNATIONAL* Company

SITE ASSESSMENT REPORT & SOIL EXCAVATION PLAN NEAR THE INTERSECTION OF TRIUNFO CANYON ROAD AND CAPSTAN CIRCLE WESTLAKE VILLAGE, CALIFORNIA SCE STRUCTURE #5024599 SITE CLEANUP CASE NUMBER SCP #1254

Prepared By: Southern California Edison Company
Engineering & Technical Services
Dam Safety & Geotechnical Group

June 27, 2011

TABLE OF CONTENTS

1.0 INTRODUCTION

This environmental site assessment was performed by the Southern California Edison (SCE) Geotechnical Group on behalf of SCE's Corporate Environmental, Health and Safety Department. The Project Site is located near the intersection of Capstan Circle and Triunfo Canyon Road in Westlake Village, California (Figure 1). This report documents initial leak detection, soil excavation and sampling activities conducted July/August 2010, and the recent site investigative work conducted January 12 and May 26, 2011. The purpose of this site assessment is to evaluate the nature and extent of migration of the remaining PCB-containing mineral oil spill originally identified in July 2010.

2.0 PROJECT DESCRIPTION

On July 18, 2010 SCE discovered that the BURD transformer at the site had released an estimated 30 gallons of mineral oil. Initial excavation activities obtained 5 soil samples from the bottom of a 3' x 3 ½' by 7-foot deep excavation. One sample of mineral oil was collected from the BURD and tested for Polychlorinated Biphenyls (PCB) content. The analytical laboratory results for the mineral oil sample indicated a PCB concentration of 166 parts per million (ppm). The analytical laboratory results for the July 18, 2010 soil samples measured concentrations of PCBs ranging from 0.19 ppm to 1.5 ppm. These data are summarized on Table 1.

After further excavation on August 9, 2010, 4 additional soil samples from the 8 foot depth, and 1 water sample from the bottom of the 9-foot deep excavation were obtained. PCB concentrations in soil ranged from less than 0.02 ppm to 6.4 ppm. The water sample showed a PCB concentration of 1,900 micrograms/liter (µg/l); however standard groundwater sampling protocol, was not applied during the sampling and entrained sediment and/or absence of purging may have influenced the result. A summary of detections are also shown on Table 1. The complete laboratory reports and field sketches of the excavation and sample locations are included in Appendix A.

Table 1 – Summary of PCB & TPH Detections From Excavation

Sample Date	Sample Number	Sample Depth	Sample Location	TEPH Result (mg/kg or mg/l)	PCB Result (mg/kg or ug/L)
7/18/10	1	3 ft	NW Wall	12,000 mg/kg	0.70 mg/kg
7/18/10	2	3 ft	SW Wall	5,600 mg/kg	0.19 mg/kg
7/18/10	3	3 ft	NE Wall	12,000 mg/kg	1.5 mg/kg
7/18/10	4	3 ft	SE Wall	7,900 mg/kg	0.68 mg/kg
7/18/10	5	3 ft	Center	2,200 mg/kg	0.44 mg/kg
8/9/10	1	8 ft	West Wall	<1.0 mg/kg	<0.02 mg/kg
8/9/10	2	8 ft	North Wall	7,300 mg/kg	3.7 mg/kg
8/9/10	3	8 ft	East Wall	25,000 mg/kg	6.4 mg/kg
8/9/2010	4	8 ft	South Wall	260 mg/kg	0.34 mg/kg
8/9/2010	5	9 ft	Center (Water)	2,800 mg/L	1,900 µg/L

Based on these analytical results, the Los Angeles Regional Water Quality Control Board (LARWQCB) requested additional sampling of groundwater and soil to determine the extent of PCB contamination. A work plan for this site assessment was provided to the LARWQCB on October 22, 2010 via the Geotracker Database and SCE received their approval of the proposed work by letter dated November 3, 2010. In a subsequent December 20, 2010 letter, the LARWQCB granted an extension to SCE for submittal of the technical report documenting the results of the proposed assessment work on or before March 1, 2011.

The scope of the January 2011 assessment included the following tasks:

- Completion of 4 direct push borings to an approximate depth of 12 feet bgs.
- Completion of 2 hand auger borings to an approximate depth of 10 feet bgs.
- Collection of 1 soil sample from each location from the soil-water interface.
- Collection of 1 groundwater sample from each location.
- Analytical testing of the collected soil and groundwater samples.
- Preparation and submittal to the LARWQCB of a site assessment report.

The January 2011 investigation concluded soils beneath the site are variable and are fill soils used for subdivision development within the excavated river. Below these fill soils, more uniform sand and gravel was observed. Groundwater was encountered at depths of 6.2 to 7.5 feet bgs.

PCBs were not detected in any soil or groundwater sample collected during the investigation, indicating the mineral oil spill was limited in extent and the post-spill excavation successfully removed the majority of the mineral oil. Groundwater samples showed no adverse impacts. The additional sampling described in this report was desired to facilitate possible future excavation planning.

3.0 SCOPE OF ASSESSMENT

The scope of this site additional assessment included the following tasks:

- Completion of 4 borings to an approximate depth of 12 feet bgs.
- Collection of 1 soil sample from each location from the soil-water interface.
- Collection of 1 groundwater sample from two borings, one from the north and west sides of the former excavation outline.
- Analytical testing of the collected soil and groundwater samples.
- Preparation and submittal of a site assessment report.

Figure 2 provides the general layout of the site and locations of the completed borings. Appendix B includes a copy of the surveyed boring locations with the

stamp of a California Licensed Surveyor. Appendix C presents the Los Angeles County Groundwater Sampling Permit.

4.0 ASSESSMENT PROCEDURES

4.1 Field Exploration

On May 26, 2011 a SCE geologist supervised the drilling and sampling of the four soil borings at the general locations shown on Figure 2. Borings DP-5 through DP-7 were advanced by a combination of hand auger and portable direct-push machine to an approximate depth of 11 feet below ground surface (bgs).

Prior to drilling, SCE notified Dig Alert of planned work and obtained utility clearance from Dig Alert (Dig Alert Ticket # A11440190). Because the work was being conducted adjacent to energized equipment an SCE electrician was also onsite.

Four sampling locations were proposed at locations north and east of the BURD. However, because of the abundance of buried utilities identified by USA to exist between the BURD and the AT&T/Cable utility boxes, the boring originally planned for that area was not attempted. However, the request by the RWQCB to obtain groundwater samples from the north and east sides of the former excavation were met with DP-6 and DP-7. Because of the presence of buried utilities, it was decided that the first 6 feet of each of the three borings would be advanced by hand auger. Once the location was cleared, the direct push machine was used for sample retreiveal and temporary well point installation. Each boring advanced to total depths of 11 feet bgs.

Soil samples were obtained with 1-inch diameter clear plastic liners supplied with the direct push equipment. All boreholes were logged and sampled for soil lithologic description. No indications of contamination such as odors or staining were observed. Samples were recorded on the boring logs in accordance with the Unified Soil Classification System (USCS) which included sample depths, soil type, grain size, color, density, and moisture content. Copies of all investigation soil boring logs are provided in Appendix D.

After advancing the boring to the target depth, a temporary well point constructed of 1-inch schedule 40 PVC casing with a 5 foot long well screen was placed in the borehole. One groundwater grab sample was collected from the temporary well point with a peristaltic pump. Groundwater samples were collected from DP-6 and DP-7. All drilling and sampling operations were supervised by a California Registered Geologist. At the completion of groundwater sampling, the temporary well point was removed and the boring backfilled by using a 95% Portland cement/5% bentonite slurry. Soil cuttings were placed in sealed and labeled DOT-approved 55-gallon drums and transported to SCE's Thousand Oaks Service Center for temporary storage pending receipt of the analytical testing.

Prior to sample collection, all sampling equipment was decontaminated. Soil sampling tools and sample barrels were cleaned between each use. Manual cleaning procedures included a three-stage process using a non-phosphate detergent solution in water, followed by rinsing with potable water and distilled water. Decontamination water and purged groundwater was contained by a labeled and sealed DOT-approved 55-gallon drum and transported along with the soil drums.

4.2 Soil Sample Preparation

Headspace field screening was conducted by placing a small portion of a soil sample into a plastic bag and inserting the tip of a photoionization detector (PID) into the bag to obtain a reading. Headspace readings were reported in parts per million (ppm) and are noted on the boring logs.

Each soil sample was retained in plastic liners with sealed Teflon tape and plastic end caps. Sample identification numbers and other pertinent data were recorded on the chain-of-custody form and placed in an ice chest for storage and transport to Advanced Technology Laboratories of Signal Hill, California, a state-certified hazardous waste testing laboratory. Sample handling, transport, and delivery were performed using the chain-of-custody documentation procedures outlined in the project SAP. Copies of the custody forms are included in Appendix E.

4.3 Analytical Testing

A total of 3 soil samples and 2 groundwater samples were analyzed for PCBs according to EPA Test Methods 3550B and 8082 (soil), and EPA Test Methods 3510C and 8082 (groundwater). These samples were also analyzed for Total Petroleum Hydrocarbons (TPH) with carbon-chain identification according to EPA Test Method 8015 modified. In addition, one equipment rinseate blank and one soil and one groundwater duplicate were analyzed by the same methods. The Advanced Technology Laboratories analytical reports are presented in Appendix E. Copies of the previous sampling from January 2011 are also presented in Appendix E.

5.0 RESULTS OF ASSESSMENT

5.1 Site Geology

The project site is located within an alluvial valley in the Santa Monica Mountains. According to the Dibblee Geologic Map of the Thousand Oaks Quadrangle (1993) the site is on Quaternary alluvial sand and gravel. The residential subdivision appears to have been created by excavating the alluvial gravels along Triunfo Creek

to the underlying bedrock to create a lake. It is thought that artificial fill was placed on the excavated surfaces for the building pads.

The boring logs show the area to be variably underlain by gravelly to silty sand, silty sand or clayey sand, probably representing the fill soils required for subdivision development. The two deeper borings, DP-1 and DP-4 encountered more uniform sand with gravel that is thought to represent native soils. These materials were observed by the direct push equipment to be much harder to penetrate than the overlying materials.

5.2 Site Hydrogeology

This site is unique because the enlarging of Triunfo Creek created a man-made recreational lake. Water in this lake is not used for drinking water purposes. Based on the excavation activities described above the water level at the project site was observed to be approximately 9 feet (bgs). This shallow depth is probably representative of localized seepage from the surrounding recreational lake. Based on surface topography, the direction of groundwater movement is inferred to be to the southeast. In the borings, static groundwater measurements ranged from 6.2 to 6.7 feet bgs. The resultant groundwater elevations are shown on Figure 2.

5.3 Analytical Testing Results for Soil

Table 2 presents a summary of the laboratory data. PCBs were not detected at any location at the MDL of <0.02 mg/kg. No TPH was detected in any sample. Table 2 below summarizes the analytical report. Table 2 shows "TPH" and is meant to include both reported diesel range organics (DRO) and carbon-chain identification. Identification of ranges for the different major groups of petroleum hydrocarbons provides additional information about the nature of any total petroleum hydrocarbon detection. For this investigation the following range and types of hydrocarbons were reported.

C4-C12 – Gasoline Range
C8-C10 – Lighter than Diesel
C10-C18, C18-C28 – Diesel Range
C18-C36 – Motor Oil Range
C36-C40 – Heavier than Motor Oil
C8-C40 – Total Petroleum Hydrocarbons

Table 2 – Summary of Analytical Testing of Soil
(May 26, 2011)

Boring Number	Sample Depth	TPH Result (mg/kg)	PCB Result (mg/kg)
DP-5	7 ft	ND	ND
DP-6	7 ft	ND	ND
DP-7	7 ft	ND	ND
Duplicate (DP-7)	8 ft	ND	ND

5.4 Analytical Testing Results for Groundwater

Laboratory testing of the groundwater samples collected from each location did not detect the presence of PCBs at the MDL of <0.02 µg/L. TPH was not detected in either sample. Table 3 presents a summary of the laboratory data.

Table 3 – Summary of Analytical Testing of Groundwater
(May 26, 2011)

Boring Number	Sample Depth	TPH Result (ug/L)	PCB Result (ug/L)
DP-6	11 ft	ND	ND
DP-7	11 ft	ND	ND
Duplicate (DP-7)	--	ND	ND
Equipment Rinseate	--	ND	ND

6.0 CONCLUSIONS

Based on the information obtained during this site investigative work, the following conclusions are made:

- Soils beneath the site are variable and probably represent the fill soils used for subdivision development within the excavated river. Below these fill soils, more uniform sand and gravel is present.
- Groundwater is present beneath the site at a depth range of 6.2 to 6.7 feet bgs. Due to the close spacing of the measurements and variability of the fill soils a definitive groundwater flow direction is not apparent.
- No Petroleum Hydrocarbons were detected in any soil or groundwater sample.

- PCBs were not detected in any soil or groundwater sample collected during either round of investigative sampling indicating the mineral oil spill was limited in extent and the post-spill excavation successfully removed the majority of the impacted soils. Groundwater samples showed no adverse impacts.

7.0 RECOMMENDATIONS

Based on the residual PCB concentrations detected during the original excavation activities, the following recommendations are made:

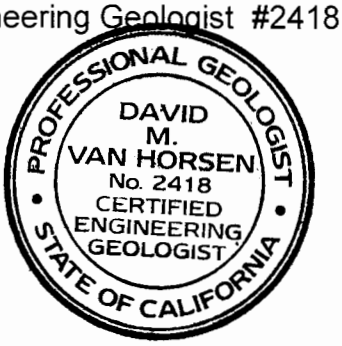
- Perform additional soil excavation on the north and east sides of the existing electrical structure. This work would consist of approximately 3 additional feet of soil beyond the previous excavation unless there is the risk for adverse structural impact to the surrounding sidewalk, driveway, adjacent buried utilities, or mature trees.

- Collect confirmation soil samples for the north and east sidewalls at the same elevations as the soil borings and original excavation samples and analyze for the presence of TPH and PCB.

8.0 PROFESSIONAL DECLARATION

This document was prepared under the direction and supervision of David M. Van Horsen, a California Professional Geologist with expertise in contaminant assessment. His signature and stamp appear below:

David M. Van Horsen
CA Certified Engineering Geologist #2418
June 27, 2011



FIGURES

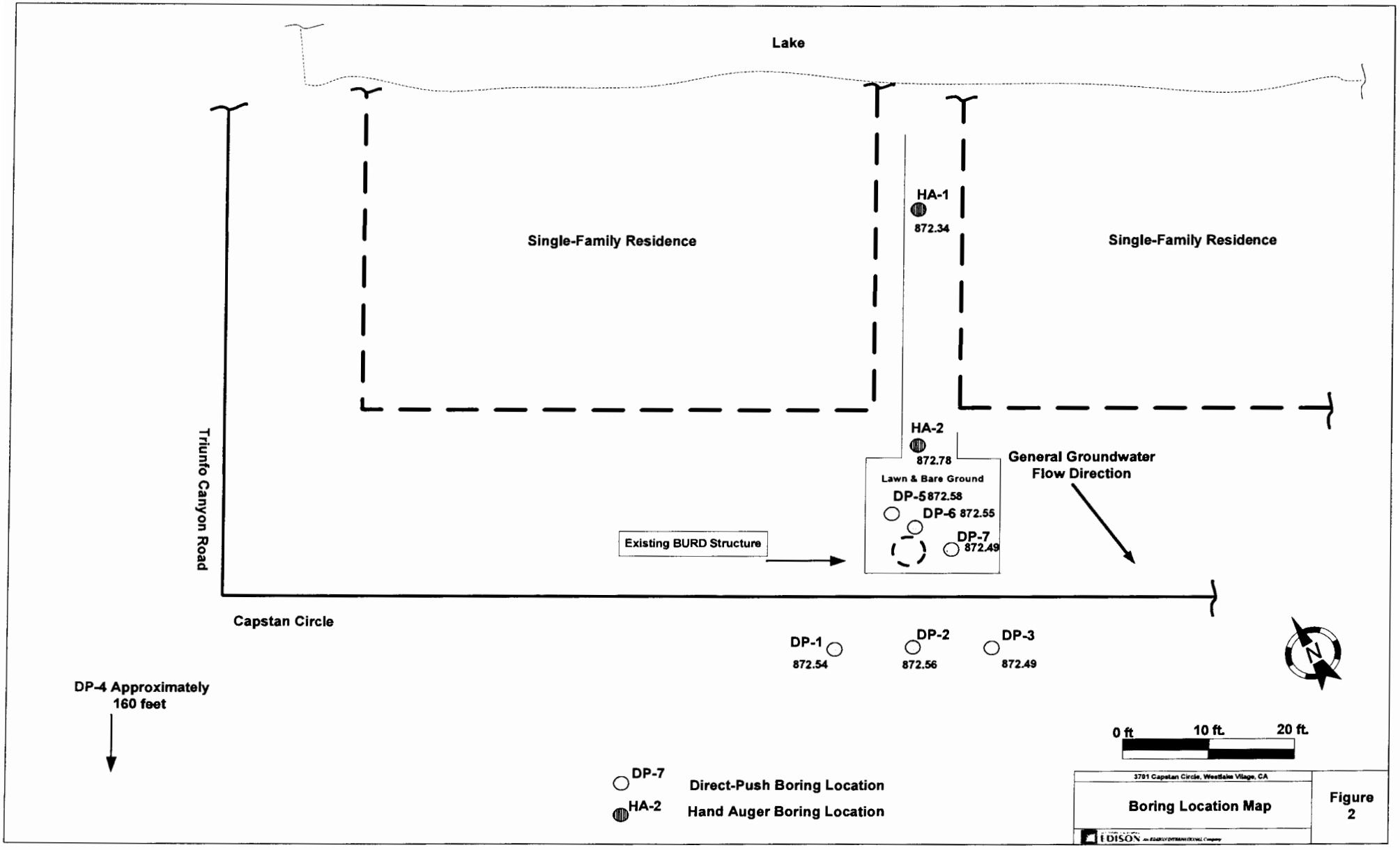
Base Maps: USGS 7-1/2' Quadrangles, Thousand Oaks, CA and Point Dume, CA

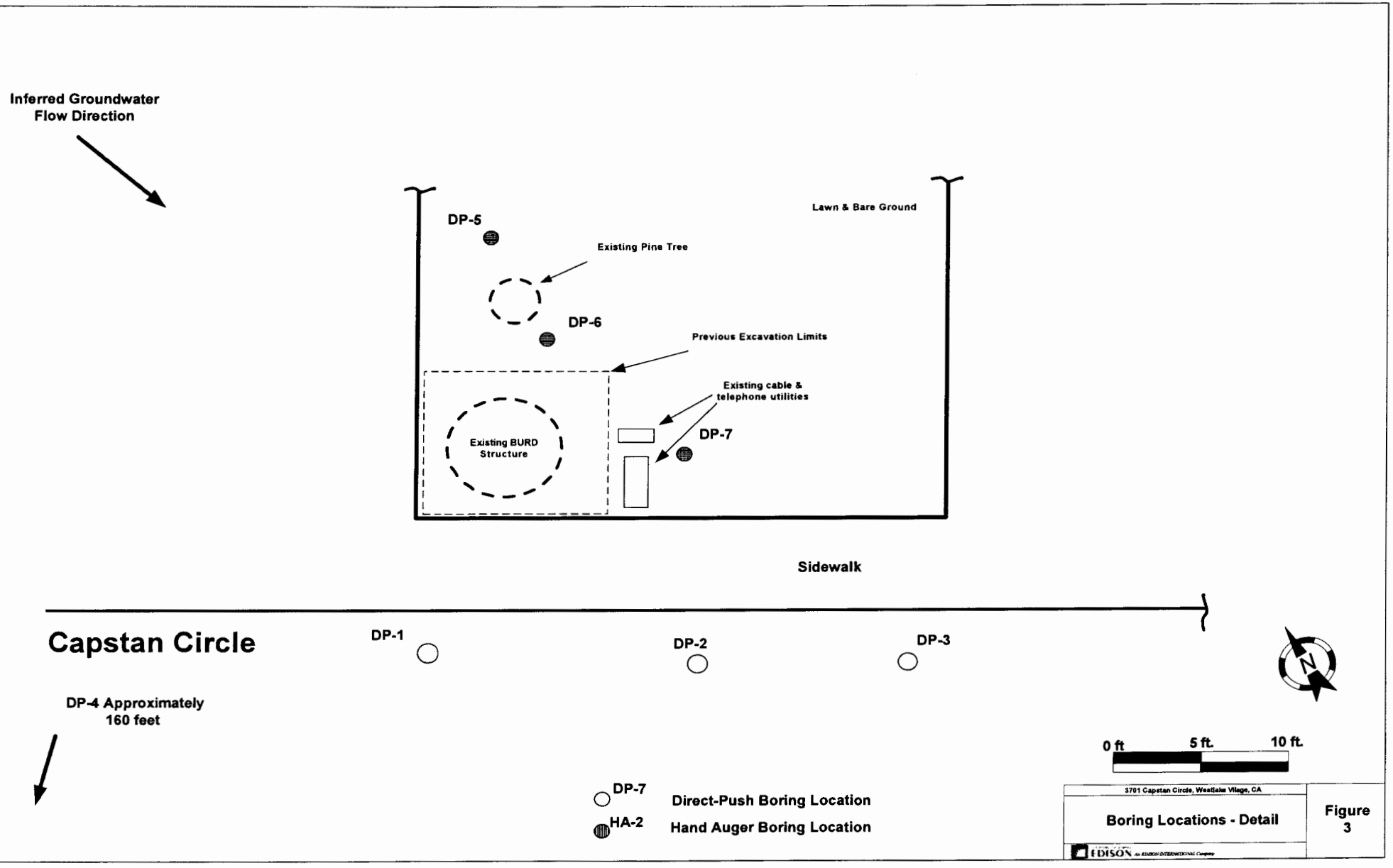
SOUTHERN CALIFORNIA
EDISON
POWER PRODUCTION

Engineering And Technical Services
GEOTECHNICAL GROUP

Figure 1
Site Location

3701 Capstan Circle
Westlake Villiage, CA


Lake
Single-Family Residence
Single-Family Residence
HA-1
872.34
HA-2
872.78
Lawn & Bare Ground
DP-5 872.58
DP-6 872.55
DP-7
872.49
Existing BURD Structure
General Groundwater
Flow Direction
Triunfo Canyon Road
Capstan Circle
DP-1
872.54
DP-2
872.56
DP-3
872.49
DP-4 Approximately
160 feet
N
0 ft
10 ft.
20 ft.
DP-7
Direct-Push Boring Location
HA-2
Hand Auger Boring Location
3701 Capstan Circle, Westlake Village, CA
Boring Location Map
Figure
2
EDISON

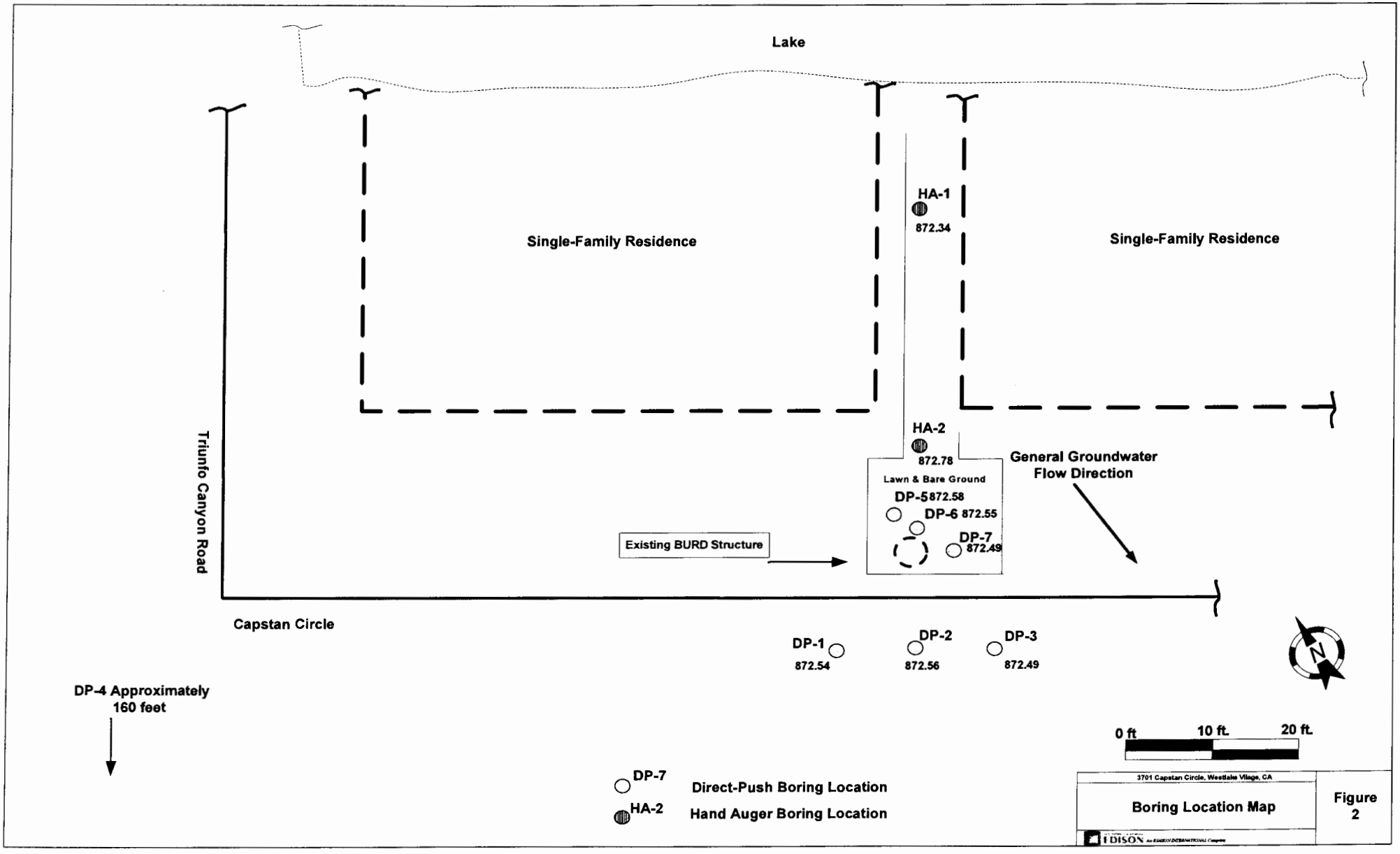

Inferred Groundwater Flow Direction
DP-5
Lawn & Bare Ground
Existing Pine Tree
DP-6
Previous Excavation Limits
Existing cable & telephone utilities
DP-7
Existing BURD Structure
Sidewalk
Capstan Circle
DP-1
DP-2
DP-3
N
DP-4 Approximately 160 feet
0 ft
5 ft.
10 ft.
DP-7
Direct-Push Boring Location
HA-2
Hand Auger Boring Location
3701 Capstan Circle, Westlake Village, CA
Boring Locations - Detail
Figure 3
EDISON

Base Maps: USGS 7-1/2' Quadrangles, Thousand Oaks, CA and Point Dume, CA

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

Figure 1
Site Location

3701 Capstan Circle
Westlake Villiage, CA


Lake
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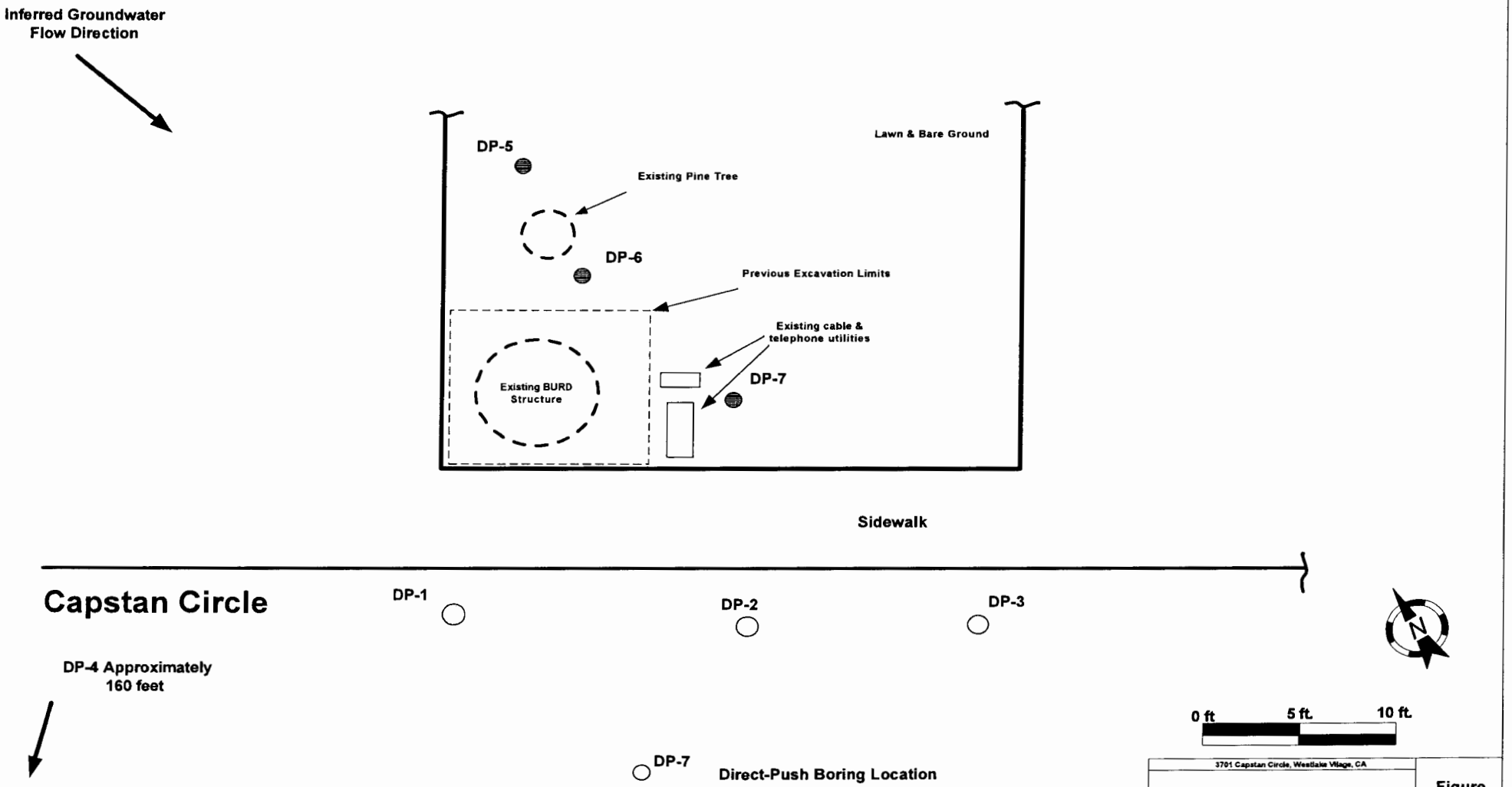
Boring Location Map
Figure
2
EDISON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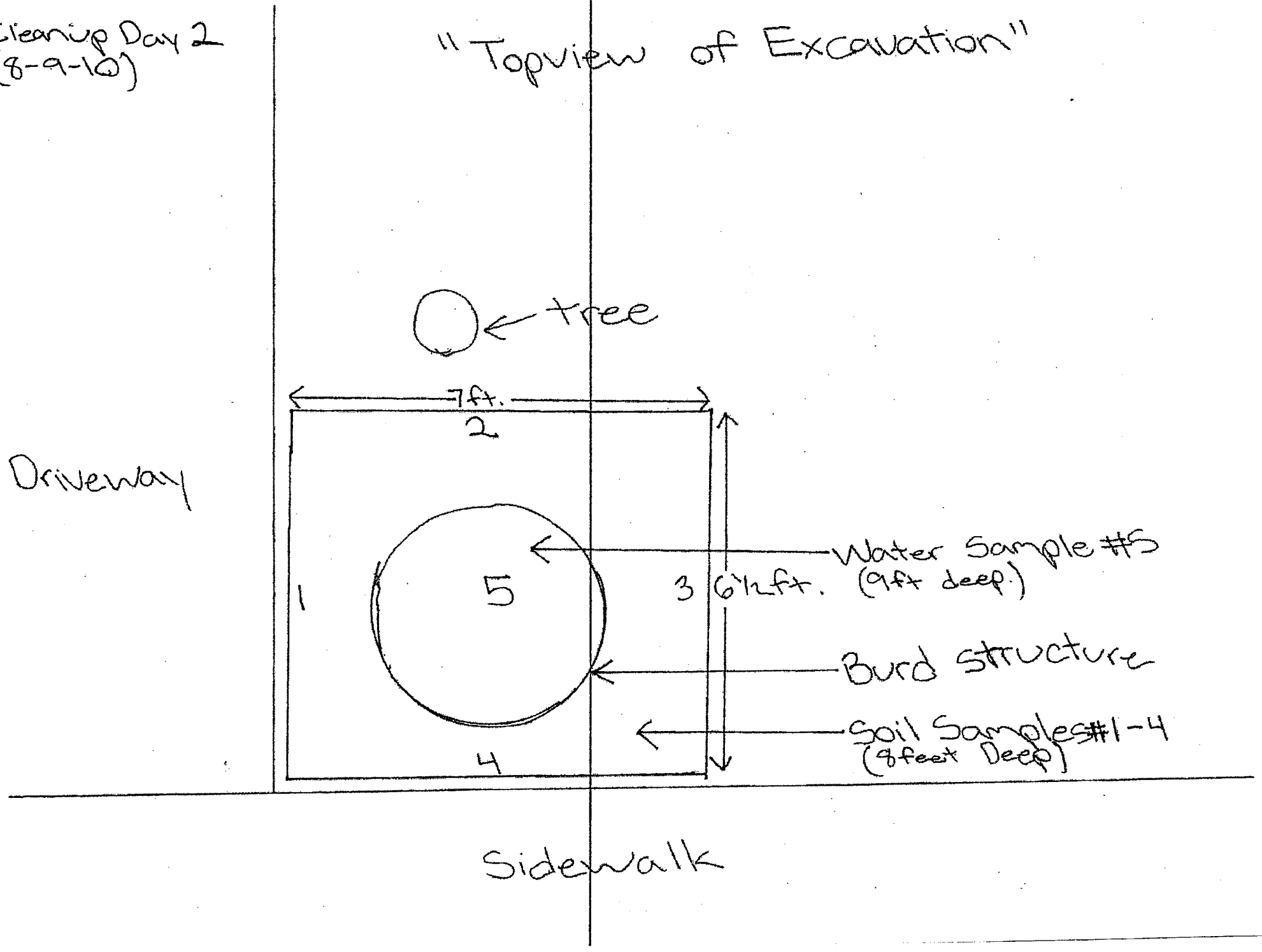
Sidewalk
Capstan Circle
DP-1
DP-2
DP-3
N
DP-4 Approximately 160 feet
0 ft
5 ft.
10 ft.
DP-7
Direct-Push Boring Location
HA-2
Hand Auger Boring Location
3701 Capstan Circle, Westlake Village, CA
Boring Locations - Detail
Figure 3
EDISON

APPENDIX A

Analytical Testing Results From 2010 Excavation and Sampling Activities

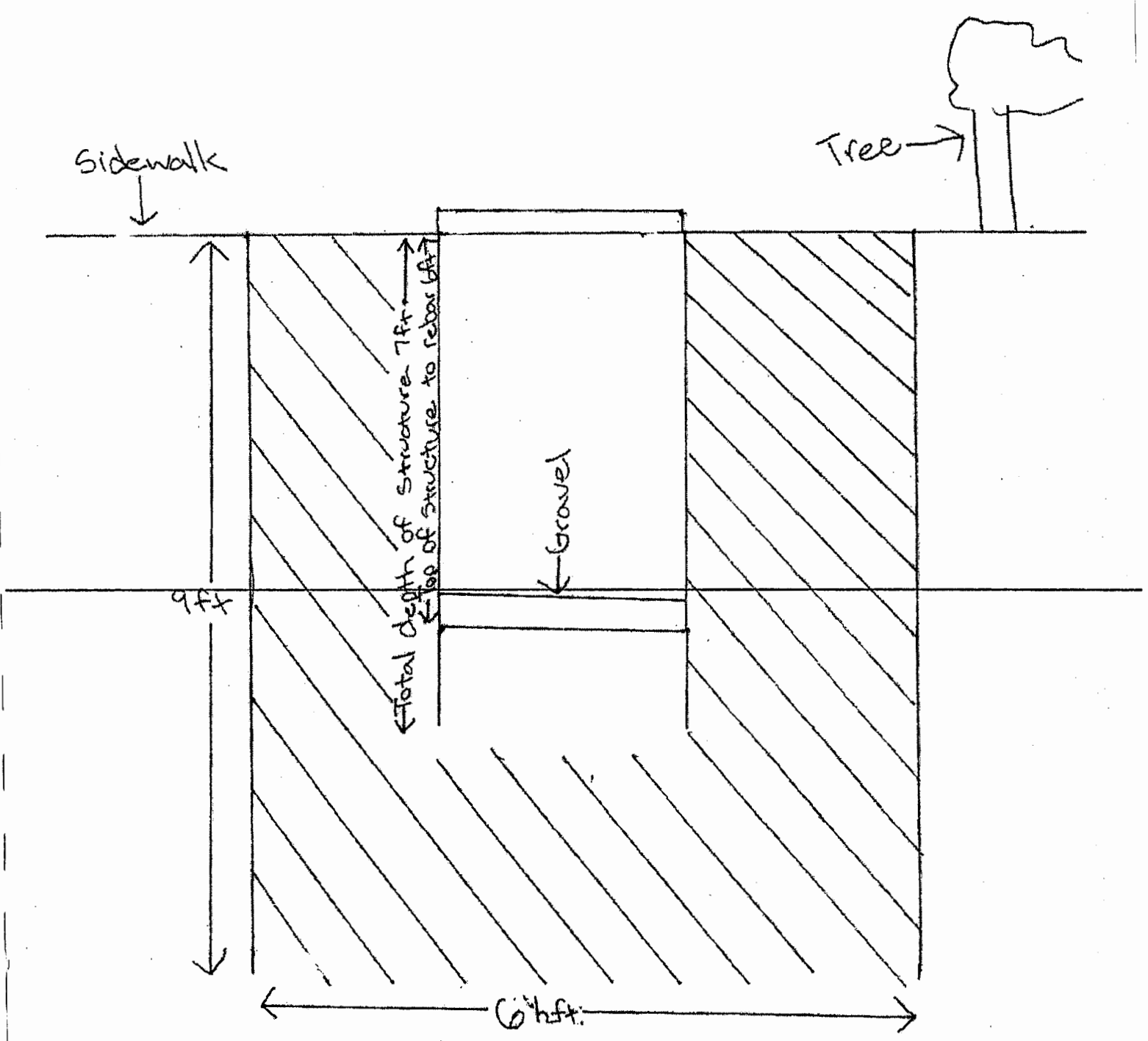
Cleanup Day 2
(8-9-10)

"Topview of Excavation"



Cleanup Day 2
(8-9-10)

"Side view of Excavation"



Case Narrative

Date: August 12, 2010

Client: Southern California Edison(SCE)
CAS Lab # 101976-05

Case Narrative: On August 8, 2009 Capco has received 5 samples from SCE to be analyzed for PCB's and TEPH. The samples were collected by the Client. The lab number assigned by Capco for this project was 101976. Sample "101976-05", a water sample, was prepared according to the client instructions, that is: the sample was filtered before the extraction was performed. The sample was than analyzed in accordance to EPA Methods 8082(for PCB's) and 8015m (for TEPH). The result was reported to the client along with the rest of the results.
All the data and information about this particular analysis is in the custody of Capco Analytical Services, Inc., as well as our customer, SCE.

Alin Repede, MS
Director Analytical Operations
Capco Analytical Services, Inc.

Prepared for: Southern California Edison
10060 Telegraph Road
Ventura, CA 93004
Attn: Andy Melendez

Report Date: August 18, 2010
Laboratory Number: 102006
Project Name: 3701 Capstan Cir. Westlake Village
Project No: VC00156
Purchase Order No: 900160571
Sampled by: Client

On August 10, 2010, Capco Analytical Services, Inc.(CAS), received five(5) samples to be analyzed. The samples were identified and assigned the laboratory ID numbers listed below:

SAMPLE DESCRIPTION	CAS LAB NUMBER ID
#1	101976-01
#2	101976-02
#3	101976-03
#4	101976-04
#5	101976-05

By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Alin E. Repede, MS
Director - Analytical Operations

If you have any further questions or concerns, please contact me at your convenience.

This report consists of 14 pages excluding the cover letter and the Chain of Custody.

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#1	Date Extracted:	08/10/10
CAS LAB NO:	101976-01	Date Analyzed:	08/10/10
Sample Matrix:	Soil	Analyst:	AER

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	<0.02	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
2,4,5,6-Tetrachloro-m-xylene(TCMX)	74	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#2	Date Extracted:	08/10/10
CAS LAB NO:	101976-02	Date Analyzed:	08/10/10
Sample Matrix:	Soil	Analyst:	AKR

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	3.7	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
2,4,5,6-Tetrachloro-m-xylene (TCMX)	66	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#3	Date Extracted:	08/10/10
CAS LAB NO:	101976-03	Date Analyzed:	08/10/10
Sample Matrix:	Soil	Analyst:	AER

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	6.4	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
2,4,5,6-Tetrachloro-m-xylene(TCMX)	53	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#4	Date Extracted:	08/10/10
CAS LAB NO:	101976-04	Date Analyzed:	08/10/10
Sample Matrix:	Soil	Analyst:	AER

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.34	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
2,4,5,6-Tetrachloro-m-xylene(TCMX)	55	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#5	Date Extracted:	08/10/10
CAS LAB NO:	101976-05	Date Analyzed:	08/10/10
Sample Matrix:	WATER	Analyst:	AER

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results µg/L	Dilution Factor	MDL µg/L	PQL µg/L
Aroclor-1016	<0.5	2	1.0	2.0
Aroclor-1221	<0.5	2	1.0	2.0
Aroclor-1232	<0.5	2	1.0	2.0
Aroclor-1242	<0.5	2	1.0	2.0
Aroclor-1248	<0.5	2	1.0	2.0
Aroclor-1254	<0.5	2	1.0	2.0
Aroclor-1260	1900	20	10.0	2.0
Aroclor-1262	<0.5	2	1.0	2.0

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
2,4,5,6-Tetrachloro-m-xylene(TCMX)	121	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#1	Date Extracted:	08/10/10
CAS LAB NO:	101976-01	Date Analyzed:	08/10/10
Sample Matrix:	SOIL	Analyst:	ABR

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL mg/kg	PQL mg/kg
TEPH	< 1.0	1	1.0	5.0

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	107	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#2	Date Extracted:	08/10/10
CAS LAB NO:	101976-02	Date Analyzed:	08/10/10
Sample Matrix:	SOIL	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)

EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL mg/kg	PQL mg/kg
TEPH	7300	10	10.0	50.0

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	97	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#3	Date Extracted:	08/10/10
CAS LAB NO:	101976-03	Date Analyzed:	08/10/10
Sample Matrix:	SOIL	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL mg/kg	PQL mg/kg
TEPH	25,000	10	10.0	50.0

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
n-Undecane	137*	53-126

*Surrogate recovery outside control limits due to sample interference.

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#4	Date Extracted:	08/10/10
CAS LAB NO:	101976-04	Date Analyzed:	08/10/10
Sample Matrix:	SOIL	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL mg/kg	PQL mg/kg
TEPH	260	1	1.0	5.0

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
n-Undecane	87	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	08/09/10
Sample ID:	#5	Date Extracted:	08/10/10
CAS LAB NO:	101976-05	Date Analyzed:	08/10/10
Sample Matrix:	WATER	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/L	Dilution Factor	MDL mg/L	PQL mg/L
TEPH	2800	2	0.2	1.0

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	100	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

TEPH - Quality Control (soil matrix)

Sample ID:	Method Blank	Date Extracted:	08/10/10
CAS LAB NO:	081010-MB	Date Analyzed:	08/10/10
Sample Matrix:	SOIL	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL mg/kg	PQL mg/kg
TEPH	< 1.0	1	1.0	5.0

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	83	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

TEPH - Quality Control (water matrix)

Sample ID:	Method Blank	Date Extracted:	08/10/10
CAS LAB NO:	081010-MB	Date Analyzed:	08/10/10
Sample Matrix:	WATER	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH)
EPA Method 8015m

Compound	Results mg/L	Dilution Factor	MDL mg/L	PQL mg/L
TEPH	< 0.1	1	0.1	0.5

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
n-Undecane	83	53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J": Sample Analysis Result > MDL, but < PQL

PCBs - Quality Control Report
EPA Method 8082

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	% REC	% REC Limits	RPD	RPD Limits
Method Blank (081010)				Extracted: 08/10/10			Analyzed: 08/10/10		
Surrogate: Tetrachloro-m-xylene (TCMX)		*2.46*			*2*	*123*	*51-129*		
Surrogate: Dibutylchlorendate (DBC)		*1.48*			*2*	*74*	*53-126*		
Aroclor-1016		<0.5		ug/L					
Aroclor-1221		<0.5		ug/L					
Aroclor-1232		<0.5		ug/L					
Aroclor-1242		<0.5		ug/L					
Aroclor-1248		<0.5		ug/L					
Aroclor-1254		<0.5		ug/L					
Aroclor-1260		<0.5		ug/L					
Aroclor-1262		<0.5		ug/L					
LCS (081010)				Extracted: 08/10/10			Analyzed: 08/10/10		
Surrogate: Tetrachloro-m-xylene (TCMX)		*2.4*			*2*	*120*	*51-129*		
Surrogate: Dibutylchlorendate (DBC)		*2.41*			*2*	*121*	*53-126*		
Aroclor-1260 (Total)		9.176		ug/L	10	92	50-140		
LCSD (081010)				Extracted: 08/10/10			Analyzed: 08/10/10		
Surrogate: Tetrachloro-m-xylene (TCMX)		*2.46*			*2*	*123*	*51-129*		
Surrogate: Dibutylchlorendate (DBC)		*2.43*			*2*	*122*	*53-126*		
Aroclor-1260 (Total)		9.640		ug/L	10	96	50-140		
Method Blank (081010)				Extracted: 08/10/10			Analyzed: 08/10/10		
Surrogate: Tetrachloro-m-xylene (TCMX)		*0.25*			*0.2*	*125*	*51-129*		
Surrogate: Dibutylchlorendate (DBC)		*0.15*			*0.2*	*75*	*53-126*		
Aroclor-1016		<0.02		mg/kg					
Aroclor-1221		<0.02		mg/kg					
Aroclor-1232		<0.02		mg/kg					
Aroclor-1242		<0.02		mg/kg					
Aroclor-1248		<0.02		mg/kg					
Aroclor-1254		<0.02		mg/kg					
Aroclor-1260		<0.02		mg/kg					
Aroclor-1262		<0.02		mg/kg					

Flags for Data Qualifiers:

S = Surrogate recovery for this sample is outside control limits due to possible sample matrix interference.

MS = Spike recovery for this QC sample is outside the establish control limits due to sample matrix interference

Q = RPD results exceed the QC control limits due to matrix interference; however both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or the rest of QC

CAPCO ANALYTICAL SERVICES

1536 Eastman Avenue
Ventura, CA 93003
(805) 644-1095 Fax 644-9947

CHAIN OF CUSTODY RECORD

REPORT
Fax 805-654-7303
Company Southern California Edison
Address 10060 Telegraph Rd
Ventura, CA 93004
Phone 805-273-3091 Contact Andy Melendez

BILL TO: P.O.# 4500160571
Company Patriot
Address 2457 N. Ventura Ave.
Ventura, CA 93001
Phone 805-755-3716 Contact Robert Martinez

PROJ. NO: VC00356
PROJECT NAME: 3701 Capstan Cir., Westlake Village

SAMPLERS: (Signature) Robert Martinez

CONTAINER TYPES
A = AMBER B = BRASS G = GLASS
P = PLASTIC V = VOA VIAL O = OTHER

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	COMP	GRAB	SAMPLE I.D.	MATRIX: WATER	SOIL	SLUDGE	OTHER	CONTAINER #: #	TYPE	ANALYSIS: PCBs	TEPH
1	8-9-10	1330		X			X			1	G	X	X
2	8-9-10	1335		X			X			1	G	X	X
3	8-9-10	1340		X			X			1	G	X	X
4	8-9-10	1345		X			X			1	G	X	X
5	8-9-10	1350		X		X				4	G	X	X

REMARKS: 101976

HOLD
RUSH

CHECK ONE BOX:
DISPOSE SAMPLES
RETURN SAMPLES

The undersigned hereby acknowledges having received a copy of the Fee Schedule/General Information and Conditions, the provisions of which are a part of this agreement.

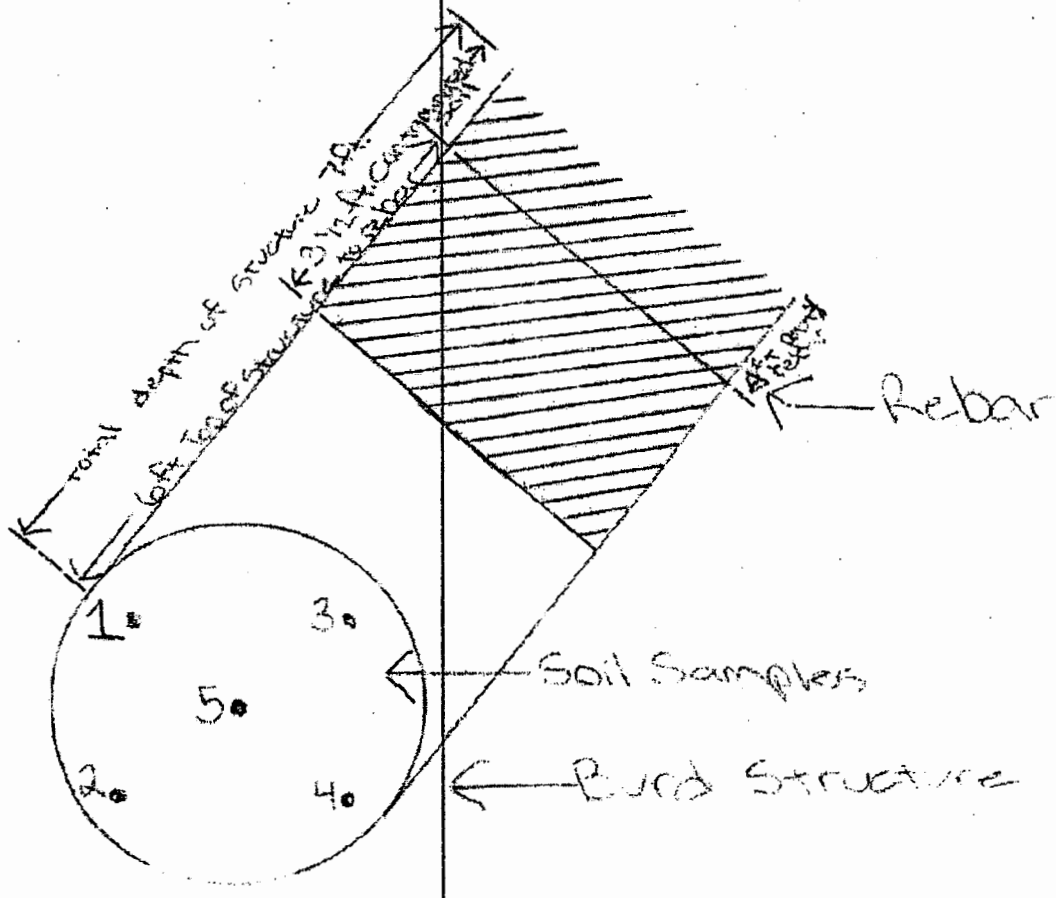
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Robert Martinez	8-10-10 0900				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time		

TURN AROUND TIME

24 Hr.		X 5 Day	
48 Hr.		Standard	
72 Hr.		Other	

WHITE COPY _____ CANARY COPY _____ PINK COPY _____

Cleanup Day 1
(7-18-10)



Driveway

Sidewalk

Prepared For: Southern California Edison
10060 Telegraph Road
Ventura, CA 93004

July 21, 2010

ATTENTION: Andy Melendez

Laboratory No: 101743
Date Received: 19-JUL-10
Project: 3701 Capstan Cir., Westlake Village
Project No: VC00156
Purchase Order No: 900169326

Sampled By: Client
ID: See Below

RESULTS

On Jul 19, 2010, five (5) samples were received for analysis by Capco Analytical Services, Inc. The samples were identified and assigned the lab numbers listed below. This report consists of 8 pages excluding the cover letter and the Chain of Custody.

SAMPLE DESCRIPTION	CAS LAB NUMBER
#1	10174301
#2	10174302
#3	10174303
#4	10174304
#5	10174305

Alin E. Repede, MS
Director - Analytical Operations

Client:	**SOUTHERN CALIFORNIA EDISON**	**Date Received:**	**7/19/2010**
CAS Lab No:	**101743**	**Date Extracted:**	**7/19/2010**
Matrix:	**SOIL**	**Date Analyzed:**	**7/19/2010**

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS
EPA METHOD 8015M

CERTIFICATE OF ANALYSIS

Compound	Concentration mg/kg	Dilution Factor	MDL mg/Kg	PQL mg/kg	Surrogate % Recovery
CAS Lab # :	**101743-01**				
Client ID :	**#1**				
TEPH	12000	1	2	10	65
CAS Lab # :	**101743-02**				
Client ID :	**#2**				
TEPH	5600	1	2	10	71
CAS Lab # :	**101743-03**				
Client ID :	**#3**				
TEPH	12000	1	2	10	66
CAS Lab # :	**101743-04**				
Client ID :	**#4**				
TEPH	7900	1	2	10	70

Surrogate: n-Undecane
Surrogate Control Limits: 48 - 114 %

MDL: Method Detection Limit
PQL: Practical Quantitation Limit
ND: Not Detected; < 2mg/Kg
"J": Sample Analysis Result > MDL, but < PQL

Client:	**SOUTHERN CALIFORNIA EDISON**	**Date Received:**	**7/19/2010**
CAS Lab No:	**101743**	**Date Extracted:**	**7/19/2010**
Matrix:	**SOIL**	**Date Analyzed:**	**7/19/2010**

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS
EPA METHOD 8015M

CERTIFICATE OF ANALYSIS

Compound	Concentration mg/kg	Dilution Factor	MDL mg/Kg	PQL mg/kg	Surrogate % Recovery
CAS Lab # :	**101743-05**				
Client ID :	**#5**				
TEPH	2200	1	2	10	61
CAS Lab # :	**101743-MB**				
Client ID :	**Method Blank**				
TEPH	<2	1	2	10	73

Surrogate: n-Undecane
Surrogate Control Limits: 48 - 114 %

MDL: Method Detection Limit
PQL: Practical Quantitation Limit
ND: Not Detected; < 2mg/Kg
"J": Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#1	Date Extracted:	07/19/10
CAS LAB NO:	101743-01	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.70	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene (TCMX)	58	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#2	Date Extracted:	07/19/10
CAS LAB NO:	101743-02	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.19	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene (TCMX)	51	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#3	Date Extracted:	07/19/10
CAS LAB NO:	101743-03	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	1.5	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene (TCMX)	72	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#4	Date Extracted:	07/19/10
CAS LAB NO:	101743-04	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.68	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%)Control Limits
Tetrachloro-m-xylene(TCMX)	63	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

1536 Eastman Ave. Suite B, Ventura, California 93003 Ph: (805)644-1095 FAX: (805)644-9947
www.capcoenv.com

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#5	Date Extracted:	07/19/10
CAS LAB NO:	101743-05	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.44	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene(TCMX)	57	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	N/A
Sample ID:	Method Blank	Date Extracted:	07/19/10
CAS LAB NO:	101743-MB	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

POLYCHLORINATED BIPHENYLS (PCBs)
EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	<0.02	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene (TCMX)	64	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

CAPCO ANALYTICAL SERVICES

1536 Eastman Avenue, Suite B
Ventura, CA 93003
(805) 644-1095 Fax 644-9947
www.capcoenv.com

CHAIN OF CUSTODY RECORD

REPORT
Fax
Company SCE
Address 10060 Telegraph Rd.
Ventura CA Email Andy.Melendez@sce.com
Phone 805-323-3591 Contact Andy Melendez

BILL TO: P.O.# 9001693[illegible]
Company Patriot
Address 2457 N. Ventura Ave. Bldg. F
Ventura, CA 93001
Phone 805-765-3716 Contact Robert Martinez

PROJ. NO: VC00156
PROJECT NAME: 3701 Capston Cir., Westlake Village

SAMPLERS: (Signature) Robert Martinez

CONTAINER TYPES
A = AMBER B = BRASS G = GLASS
P = PLASTIC V = VOA VIAL O = OTHER

RUSH
101743

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	COMP	GRAB	SAMPLE IDENTIFICATION	MATRIX: WATER	SOIL	SLUDGE	OTHER	CONTAINER #	CONTAINER TYPE	ANALYSIS: PCBs	LEAD	REMARKS
1	7-15-10	1400		X			X			1	G	X	X	
2	"	1405		X			X			1	G	X	X	Bill To:
3	"	1410		X			X			1	G	X	X	1900 Anaheim [illegible]
4	"	1415		X			X			1	G	X	X	
5	"	1420		X			X			1	G	X	X	

The undersigned hereby acknowledges having received a copy of the Fee Schedule/General Information and Conditions, the provisions of which are a part of this agreement.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Robert Martinez	7-19-10 1030	[signature]
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

TURN AROUND TIME
STANDARD ☐ OTHER _____
24 HOURS ☒
48 HOURS ☐
72 HOURS ☐

CHECK ONE BOX:
DISPOSE SAMPLES ☑
RETURN SAMPLES ☐

WHITE COPY _____ CANARY COPY _____ PINK COPY _____

SOUTHERN CALIFORNIA EDISON

An *EDISON INTERNATIONAL* Company

Material Testing Laboratory
Shop Services and Instrumentation Department

Attention: Phil Jonas / Al Camas

Report Date: 7/18/2010

Location: Thousand Oaks S/C

PCB in Oil by EPA Method 8082A/8000C
Sample Extraction: EPA 3580
CAELAP#1536

Sample Date:	7/18/2010
Analysis Date:	7/18/2010

Laboratory ID	Unique Sample ID	Sampling Location Address *(Field/District/Substation)*	Structure Number	Equipment Type / Compartment	Serial Number	Gallons	RL* mg/kg	PCB Conc. mg/kg
CSP2282-071810	072381	3701 Capstain Clr, Westlake	5024599		H235218P68A		2.	166.
							2.	
							2.	
							2.	
							2.	

*RL Reporting Limit - for laboratory use only

If you have questions about this report please contact the Material Testing Laboratory at (714)895-0522 or PAX 54522

Comments: (If any)

OSS 18111

Analyzed By:

M. Hoseng
Date: 7/18/10

Reviewed by:

T. Hueg
Date: 7/19/10

SOUTHERN CALIFORNIA EDISON®

An *EDISON INTERNATIONAL®* Company

CHAIN OF CUSTODY RECORD

1 CUSTOMER CONTACT NAME:	PHONE NUMBER:	EMAIL ADDRESS:	FAX:
Alvaro Camas	626-261-2940	Alvaro.Camas@sce.com	

2 IF SAMPLE DELIVERED BY PONY: PRINT PONY LOCATION: Thousand Oaks S/C

3 PROJECT NAME *(If Any)*: Bird Structure Cleanup — SEND ANALYTICAL RESULTS TO: Alvaro Camas — ☒ Via Email ☐ Via Fax

4 PROVIDE VALID SAP ACCOUNTING: [redacted] 900226891

LAB ADDRESS: Materials Testing Lab 7351 Fenwick Lane, Westminster, CA 92683 TEL #: (714) 895-0522 FAX: 54522
Working Hours: M-F 7:00 AM–3:30 PM (24 Hrs Emergency Services Available; Contact Edison Operator)

For Lab Use Only Lab ID	5 Unique Sample Number	6 Sampling Location Address (Field/District/Substation)	7 Structure Number *(If Applicable)*	8 Equipment Type and/or Phase	9 Equipment Compartment	10 Serial Number *(PRINT CLEARLY)*	11 Gallons	12 Sample Date	Time Sampled	14 Matrix	15 PCB	Tests TPH	Tests Other
csp2282 071810	072381	3701 Capstain Cir. Westlake Village CA	50245599			H235218P68A		7-16-10			X		
	072382												
	072383												
	072384												
	072385												

16 Sample(s) Collected by (Name): Robert Martinez Signature: Robert Martinez Preservatives Used: Yes ☐ No ☒

Relinquished By: Robert Martinez Date: 7-16-10 Time: 1435 Received By: [signature] Date/Time 7-18-2010 1435

Relinquished By: [signature] Date: 7.18.10 Time: 1622 Received By: [signature] Date/Time 7-18-10 1623

Relinquished By: Date: Time: Received By: B. Herring Date/Time 7/18/10 1645

17 IF SAMPLE DELIVERED IN PERSON:
YOUR NAME: YOUR PHONE #:

18 TURNAROUND TIME:
☐ Normal (3-5 Days)
☒ Same Day (100% Surcharge)
☐ 24 Hrs. (75% Surcharge)

19 COMMENTS *(If Any)*: Contact Alvaro Camas A.S.A.P. with PCBs Results

20 *Fill This Section Only If Applicable*
If Sample is From a Spill: Oil Spill Number: 18111

SCE 18-312 REV 10/09 (CW)

COPY DISTRIBUTION: White - Material Testing Lab, SSD, Canary - Emergency Response Vendor, Pink - Edison Generator, Goldenrod - Safety and Environmental Specialist (SES)

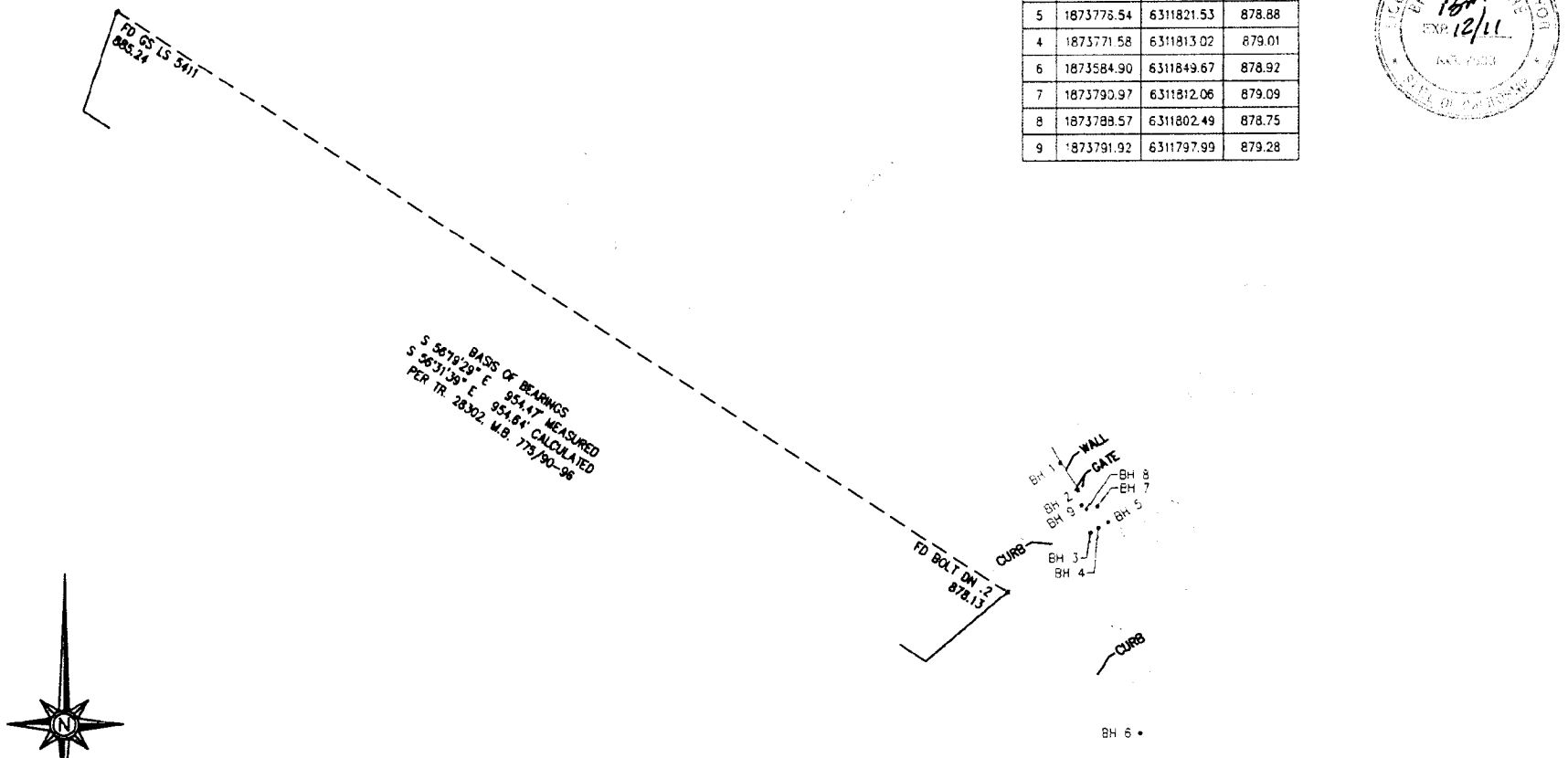
APPENDIX B

LICENSED SURVEYOR REPORT

Table B-1 – Surveyor Boring Numbers Translated to Record Boring Numbers

Designation of Record	Surveyor Designation
HA-1	BH-1
HA-2	BH-2
DP-1	BH-3
DP-2	BH-4
DP-3	BH-5
DP-4	BH-6
DP-5	BH-9
DP-6	BH-8
DP-7	BH-7

BORE HOLE			
No.	NORTHING	EASTING	ELEVATION
1	1873830.85	6311779.29	879.96
2	1873805.73	6311795.00	879.80
3	1873767.10	6311805.90	879.06
5	1873776.54	6311821.53	878.88
4	1873771.58	6311813.02	879.01
6	1873584.90	6311849.67	878.92
7	1873790.97	6311812.06	879.09
8	1873788.57	6311802.49	878.75
9	1873791.92	6311797.99	879.28



0 100 200

SCALE IN FEET

LICENSED LAND SURVEYOR
DRAWN IN ACCORD
EXP 12/11
STATE OF CALIFORNIA

HORIZONTAL CONTROL: NAD 83, ZONE 5
NGS CONTROL POINT, RUSSELL VALLEY G5

VERTICAL CONTROL: NAVD 88
FOUND DPW BM 11286 IN EAST CATCH BASIN
SOUTH OF BCR @ SE CORNER LINDERO CYN
ROAD & FOXFIELD DRIVE
ELEVATION: 882.166

PROJECT NAME: BORE HOLES @ 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE | 6/21/2011 8:52 AM | M.S. 56-74
MAP & F.B. REF: - | CITY: WESTLAKE VILLAGE | COUNTY: LOS ANGELES
DRAWN BY: M. SIUDZINSKI | SURVEYED BY: CRAWFORD-GALLO-RODRIGUEZ | CHECKED BY: L. KELLEY
DATE: - | LAND INFO.: - | SER.: -
WORK ORDER NO.: 800641512 | NOTIFICATION NO.: 201281401 | File Name: T:\ARCHIVE\DRAWING\ 2011-201281401 .DWG

EDISON

APPENDIX C

LOS ANGELES COUNTY GROUNDWATER SAMPLING PERMIT

WELL PERMIT APPLICATION - NON PRODUCTION WELLS

WATER QUALITY PROGRAM - ENVIRONMENTAL HEALTH DIVISION
5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706 TELE (626) 430-5420 FAX (626) 813-3016

DATE 5/4/2011

- ☐ NEW WELL CONSTRUCTION ☐ RECONSTRUCTION OR RENOVATION ☐ DECOMMISSIONING ☐ OTHER: ______
- ☐ MONITORING ☐ CATHODIC ☐ INJECTION ☐ EXTRACTION ☐ HEAT EXCHANGE
- ☒ HYDROPUNCH ☐ C.P.T. (For Ground Water Sampling) ☐ OTHER: ______

WELL LOCATION

Site Address	City	Zip Code
3701 Capstan Circle	Westlake Village	91361

Nearest Intersection	Thomas Guide Map Book Page/Grid	Number of Wells in Each Parcel
Triunfo Canyon Rd	LA County 557/C7	

WELL STRUCTURE

Total Depth of Well	Depth of Well Casing	Sanitary / Annular Sealing Material

Depth of Sanitary / Annular Seal	Conductor Casing Seal

OWNER INFORMATION

Owner's Name	Telephone Number
Southern California Edison	909-394-8623

Address	City	Zip Code
300 N. Lone Hill Ave	San Dimas	91773

DRILLER INFORMATION

Driller's Name	Telephone Number	C-57 License Number
Interphase	323-278-7700	730421

Address	City	Zip Code
6200 Peachtree St.	Los Angeles	90040

WELL DECOMMISSIONING INFORMATION

Well Depth ☐ log/records	Method of Well Assessment	Depth and Number of Perforations

Type and Amount of Sealant	Type of Perforator	Size of Perforations	Method of Upper Seal Pressure Application

CONSULTANT INFORMATION

Company: SCE Geotechnical Group

Address	City	State	Zip Code
300 N. Lone Hill Ave	San Dimas	CA	91773

Project Manager	Telephone Number	Fax Number
David Van Horsen	909-394-8623	909-394-8610

ATTENTION: WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS DEPARTMENT.

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction, and decommissioning data deemed necessary by the County Environmental Health Division Of Los Angeles County.

Signature of Applicant: [signature] Printed Name: DAVID VAN HORSEN

THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED OFF BY THE DEPUTY HEALTH OFFICER. WELL CONSTRUCTION OR DECOMMISSIONING CANNOT BE INITIATED WITHOUT A WORK PLAN APPROVAL FROM THIS DEPARTMENT.

(DEPARTMENT USE ONLY)

MTSIEBOS@PH.LACOUNTY.GOV

WORK PLAN APPROVAL
This Approval is Valid for 180 Days

REHS: MICHELLE TSIEBOS DATE: 5/09/11

Conditions:
On 5/06/11 $402.00 was paid for permit # 891097/7-8 to drill 2 hydropunches. Maintain all setbacks. Use 95% Portland cement with 5% bentonite per weight or neat cement to backfill the borehole. Assure fieldwork oversight by a licensed professional. Please send me an e-mail notification ahead of field work (2 days [illegible]

FINAL INSPECTION
[illegible] well must be witnessed by a Deputy Health Officer for the permit to be valid. Contact this Department to arrange for an appointment.

REHS DATE

NOTICE

This well permit approval is limited to compliance with the California Well Standards and the Los Angeles County Code and does not grant any rights to construct, reconstruct, or decommission any well. The applicant is responsible for securing all other necessary permits.

5/09/11

213-351-5100

[illegible]

APPENDIX D

SOIL BORING LOGS

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig:	Geoprobe	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia:	2.25 Inches	Boring Number: DP-1	E. Carlisle

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					Asphalt on surface (4 inches)
					(SP) Brown GRAVELLY SAND with fine gravel, fine- to mostly coarse-grained, medium dense, moist
			5		(ML) Dark Brown SANDY SILT with some clay, low plasticity, dense, moist
	2.2				
			10		(SP) Brown SAND with some silt and fine Gravel, fine-grained sand, dense, moist
					grades to Dark Brown SILTY SAND with clay and trace fine gravel
			15		
					BOTTOM OF BORING AT 16 FEET GROUNDWATER OBSERVED VISUALLY AT 12 FEET GROUNDWATER DETECTED AT 6.4 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 16 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 16 to 6 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig: Geoprobe	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia: 2.25 Inches	Boring Number: DP-2	E. Carlisle

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					Asphalt on surface (4 inches) (SM) Brown SAND with silt and occational fine gravel, fine- to mostly coarse-grained, medium dense, dry
			5		(ML) Dark Brown SILT with clay and some fine-grained sand, low plasticity, moist wet
	13.1				
			10		grades to SANDY SILT, medium- to coarse-grained sand
					BOTTOM OF BORING AT 12 FEET GROUNDWATER OBSERVED VISUALLY AT 6.5 FEET GROUNDWATER DETECTED AT 6.2 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm
			15		

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 12 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 12 to 7 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig: Geoprobe	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia: 2.25 Inches	Boring Number: DP-3	E. Carlisle

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					Asphalt on surface (4 inches)
					(SM) Brown SILTY SAND with occational fine gravel, fine- to medium-grained, dense, dry
			5		(CL) Brown CLAYEY SILT, high plasticity, moist
	17				(SM) Brown SAND with silt, fine- to medium-grained, wet
			10		grades to more coarse-grained SAND with depth
					BOTTOM OF BORING AT 12 FEET GROUNDWATER OBSERVED VISUALLY AT 7 FEET GROUNDWATER DETECTED AT 6.4 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm
			15		

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 12 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 12 to 7 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig: Geoprobe	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia: 2.25 Inches	Boring Number: DP-4	E. Carlisle

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					Asphalt on surface (6 inches)
					(SM) Brown SILTY SAND with fine gravel, fine- to mostly coarse-grained, loose to medium dense, dry
			5		(ML) Brown to Dark Brown SANDY SILT with some fine to coarse Gravel, fine- to coarse-grained sand, dense, moist
	0.0				grades to Dark Brown SILT with some clay, interbeds of coarse-grained GRAVELLY SAND, moist to dry
			10		
					(SP) Brown to Chalky Grey SAND with some fine Gravel, fine- to medium-grained, dry
			15		
					BOTTOM OF BORING AT 16 FEET NO GROUNDWATER OBSERVED NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 16 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 16 to 11 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig:	Hand Auger	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia:	2.25 Inches	Boring Number: HA-1	ZAF

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					(SM) Brown SILTY SAND, fine- to coarse-grained, poorly graded, sub-angular to sub-rounded, slightly moist
					(SC) Brown to Tan CLAYEY SAND, fine- to coarse-grained, sub-angular to sun-rounded, medium plasticity, moist
			5		(SW) Brown to Tan GRAVELLY SAND, fine- to coarse-grained sand, fine gravel, sub-rounded, slightly dense, moist
					grades to Dark Brown SAND
	19.7				
			10		BOTTOM OF BORING AT 10 FEET GROUNDWATER OBSERVED VISUALLY AT 9 FEET GROUNDWATER DETECTED AT 7.5 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm
			15		

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 10 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 10 to 5 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig: Hand Auger	Date Drilled: Jan. 12, 2011	Logged By:
Boring Dia: 2.25 Inches	Boring Number: HA-2	E. Carlisle

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					(ML) Brown SANDY SILT, fine- to medium-grained sand, medium dense, dry
					(CL) Dark Brown CLAYEY SILT/SILTY CLAY, medium plasticity, moist
					Increasing clay content with depth
			5		
	14.7				(SM) Brown SILTY SAND, medium- to coarse-grained, slightly dense, wet
					(SP) Light Brown SAND, medium- to coarse-grained, sub-rounded to sub-angular, medium dense, wet
			10		
					BOTTOM OF BORING AT 12 FEET GROUNDWATER OBSERVED VISUALLY AT 8 FEET GROUNDWATER DETECTED AT 6.9 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm
			15		

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 12 feet below ground surface (bgs) on 1-12-2011.

-Screened Interval - 12 to 7 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig: H.A. & Geoprobe	Date Drilled: May 26, 2011	Logged By:
Boring Dia: 2.25 Inches	Boring Number: DP-5	D. Van Horsen

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
	0.0		5 10 15		NATIVE SOIL: (SM) Dark Brown SANDY SILT with fine gravel, slightly moist, loose to slightly dense Hand Auger: 0-6 feet BOTTOM OF BORING AT 11 FEET GROUNDWATER DETECTED AT 6.7 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 7 feet below ground surface (bgs) on 5-26-2011.

-Screened Interval - 7 to 2 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig: H.A. & Geoprobe	Date Drilled: May 26, 2011	Logged By:
Boring Dia: 2.25 Inches	Boring Number: DP-6	D. Van Horsen

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					NATIVE SOIL: (SM) Dark Brown SANDY SILT, fine-grained, slightly moist, slightly dense
			5		(SP) Light Brown SAND, fine- to medium-grained, loose, slightly moist wet Hand Auger: 0-6 feet
			10		BOTTOM OF BORING AT 11 FEET GROUNDWATER DETECTED AT 6.2 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm
			15		

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 7 feet below ground surface (bgs) on 5-26-2011.

-Screened Interval - 7 to 2 feet bgs

Site:

Westlake Village GW Sampling

SOUTHERN CALIFORNIA EDISON
POWER PRODUCTION
Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig: H.A. & Geoprobe	Date Drilled: May 26, 2011	Logged By:
Boring Dia: 2.25 Inches	Boring Number: DP-7	D. Van Horsen

Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description
					Grass and fine-grained soil on surface NATIVE SOIL: (SM) Dark Brown SANDY SILT with trace fine gravel up to 1 inch diameter, angular to subangular
			5		No gravel, loose to slightly dense Hand Auger: 0-6 feet
	0.0		10		BOTTOM OF BORING AT 11 FEET GROUNDWATER DETECTED AT 6.6 FEET NO BEDROCK ENCOUNTERED NO VISIBLE STAINS OR ODORS Background PID: 0.0ppm
			15		

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 7 feet below ground surface (bgs) on 5-26-2011.

-Screened Interval - 7 to 2 feet bgs

Site:

Westlake Village GW Sampling

APPENDIX E

ANALYTICAL TESTING RESULTS AND CHAIN OF CUSTODY

June 01, 2011

David Van Horsen
Southern California Edison
300 N. Lone Hill Avenue
San Dimas, CA 91773
TEL: (909) 394-8623
FAX: (909) 394-8593

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003

Workorder No.: 118103

RE: WESTLAKE-CAPSTAN CIRCLE, 313725

Attention: David Van Horsen

Enclosed are the results for sample(s) received on May 27, 2011 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

CLIENT: Southern California Edison
Project: WESTLAKE-CAPSTAN CIRCLE, 313725
Lab Order: 118103

CASE NARRATIVE

Analytical Comments for Method 8082

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-5 S-1 @ 7'
Lab Order:	118103	**Collection Date:**	5/26/2011 11:35:00 AM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	SOIL
Lab ID:	118103-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION						
LUFT				**EPA 8015B(M)**		
RunID: GC16_110531A	QC Batch: 73188			PrepDate:	5/27/2011	Analyst: **CBR**
T/R Hydrocarbons: C8-C10	ND	10		mg/Kg	1	5/31/2011 11:26 AM
T/R Hydrocarbons: C10-C18	ND	10		mg/Kg	1	5/31/2011 11:26 AM
T/R Hydrocarbons: C18-C28	ND	10		mg/Kg	1	5/31/2011 11:26 AM
T/R Hydrocarbons: C28-C36	ND	10		mg/Kg	1	5/31/2011 11:26 AM
T/R Hydrocarbons: C36-C40	ND	10		mg/Kg	1	5/31/2011 11:26 AM
T/R Hydrocarbons: C8-C40 Total	ND	10		mg/Kg	1	5/31/2011 11:26 AM
Surr: p-Terphenyl	93.4	63-152		%REC	1	5/31/2011 11:26 AM
HYDROCARBON CHAIN IDENTIFICATION						
				EPA 8015B(M)		
RunID: GC2_110527A	QC Batch: E11VS205			PrepDate:		Analyst: **TP**
T/R Hydrocarbons: C4-C12	ND	1.0		mg/Kg	1	5/27/2011 03:36 PM
Surr: Bromofluorobenzene (FID)	130	62-153		%REC	1	5/27/2011 03:36 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-5 S-1 @ 7'
Lab Order:	118103	**Collection Date:**	5/26/2011 11:35:00 AM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	SOIL
Lab ID:	118103-001		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_110531A**	QC Batch: **73213**				PrepDate:	**5/31/2011**	Analyst: **BB**
Aroclor 1016	ND	4.6	16		µg/Kg	1	5/31/2011 05:1
Aroclor 1221	ND	2.7	33		µg/Kg	1	5/31/2011 05:1
Aroclor 1232	ND	2.1	16		µg/Kg	1	5/31/2011 05:1
Aroclor 1242	ND	2.3	16		µg/Kg	1	5/31/2011 05:1
Aroclor 1248	ND	2.9	16		µg/Kg	1	5/31/2011 05:1
Aroclor 1254	ND	3.0	16		µg/Kg	1	5/31/2011 05:1
Aroclor 1260	ND	4.2	16		µg/Kg	1	5/31/2011 05:1
Aroclor 1262	ND	2.7	16		µg/Kg	1	5/31/2011 05:1
Aroclor 1268	ND	3.7	16		µg/Kg	1	5/31/2011 05:1
Surr: Decachlorobiphenyl	86.4	0	39-122		%REC	1	5/31/2011 05:1
Surr: Tetrachloro-m-xylene	89.4	0	45-111		%REC	1	5/31/2011 05:1

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-6 S-1 @ 7'
Lab Order:	118103	**Collection Date:**	5/26/2011 11:52:00 AM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	SOIL
Lab ID:	118103-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION						
LUFT				**EPA 8015B(M)**		
RunID: GC16_110531A	QC Batch: 73188			PrepDate:	5/27/2011	Analyst: **CBR**
T/R Hydrocarbons: C8-C10	ND	10		mg/Kg	1	5/31/2011 11:36 AM
T/R Hydrocarbons: C10-C18	ND	10		mg/Kg	1	5/31/2011 11:36 AM
T/R Hydrocarbons: C18-C28	ND	10		mg/Kg	1	5/31/2011 11:36 AM
T/R Hydrocarbons: C28-C36	ND	10		mg/Kg	1	5/31/2011 11:36 AM
T/R Hydrocarbons: C36-C40	ND	10		mg/Kg	1	5/31/2011 11:36 AM
T/R Hydrocarbons: C8-C40 Total	ND	10		mg/Kg	1	5/31/2011 11:36 AM
Surr: p-Terphenyl	95.4	63-152		%REC	1	5/31/2011 11:36 AM
HYDROCARBON CHAIN IDENTIFICATION						
				EPA 8015B(M)		
RunID: GC2_110527A	QC Batch: E11VS205			PrepDate:		Analyst: **TP**
T/R Hydrocarbons: C4-C12	ND	1.0		mg/Kg	1	5/27/2011 03:52 PM
Surr: Bromofluorobenzene (FID)	120	62-153		%REC	1	5/27/2011 03:52 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-6 S-1 @ 7'
Lab Order:	118103	**Collection Date:**	5/26/2011 11:52:00 AM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	SOIL
Lab ID:	118103-002		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_110531A**	QC Batch: **73213**				PrepDate:	**5/31/2011**	Analyst: **BB**
Aroclor 1016	ND	4.6	16		µg/Kg	1	5/31/2011 05:4
Aroclor 1221	ND	2.7	33		µg/Kg	1	5/31/2011 05:4
Aroclor 1232	ND	2.1	16		µg/Kg	1	5/31/2011 05:4
Aroclor 1242	ND	2.3	16		µg/Kg	1	5/31/2011 05:4
Aroclor 1248	ND	2.9	16		µg/Kg	1	5/31/2011 05:4
Aroclor 1254	ND	3.0	16		µg/Kg	1	5/31/2011 05:4
Aroclor 1260	ND	4.2	16		µg/Kg	1	5/31/2011 05:4
Aroclor 1262	ND	2.7	16		µg/Kg	1	5/31/2011 05:4
Aroclor 1268	ND	3.7	16		µg/Kg	1	5/31/2011 05:4
Surr: Decachlorobiphenyl	86.4	0	39-122		%REC	1	5/31/2011 05:4
Surr: Tetrachloro-m-xylene	87.1	0	45-111		%REC	1	5/31/2011 05:4

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interferenc
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-7 S-1 @ 7'
Lab Order:	118103	**Collection Date:**	5/26/2011 12:12:00 PM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	SOIL
Lab ID:	118103-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION						
LUFT				**EPA 8015B(M)**		
RunID: GC16_110531A	QC Batch: 73188			PrepDate:	5/27/2011	Analyst: **CBR**
T/R Hydrocarbons: C8-C10	ND	10		mg/Kg	1	5/31/2011 11:47 AM
T/R Hydrocarbons: C10-C18	ND	10		mg/Kg	1	5/31/2011 11:47 AM
T/R Hydrocarbons: C18-C28	ND	10		mg/Kg	1	5/31/2011 11:47 AM
T/R Hydrocarbons: C28-C36	ND	10		mg/Kg	1	5/31/2011 11:47 AM
T/R Hydrocarbons: C36-C40	ND	10		mg/Kg	1	5/31/2011 11:47 AM
T/R Hydrocarbons: C8-C40 Total	ND	10		mg/Kg	1	5/31/2011 11:47 AM
Surr: p-Terphenyl	93.2	63-152		%REC	1	5/31/2011 11:47 AM
HYDROCARBON CHAIN IDENTIFICATION						
				EPA 8015B(M)		
RunID: GC2_110527A	QC Batch: E11VS205			PrepDate:		Analyst: **TP**
T/R Hydrocarbons: C4-C12	ND	1.0		mg/Kg	1	5/27/2011 04:07 PM
Surr: Bromofluorobenzene (FID)	121	62-153		%REC	1	5/27/2011 04:07 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Print Date: *01-Jun-11*

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-7 S-1 @ 7'
Lab Order:	118103	**Collection Date:**	5/26/2011 12:12:00 PM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	SOIL
Lab ID:	118103-003		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC5_110531A**	QC Batch: **73213**				PrepDate:	**5/31/2011**	Analyst: **BB**
Aroclor 1016	ND	4.6	16		µg/Kg	1	5/31/2011 06:1
Aroclor 1221	ND	2.7	33		µg/Kg	1	5/31/2011 06:1
Aroclor 1232	ND	2.1	16		µg/Kg	1	5/31/2011 06:1
Aroclor 1242	ND	2.3	16		µg/Kg	1	5/31/2011 06:1
Aroclor 1248	ND	2.9	16		µg/Kg	1	5/31/2011 06:1
Aroclor 1254	ND	3.0	16		µg/Kg	1	5/31/2011 06:1
Aroclor 1260	ND	4.2	16		µg/Kg	1	5/31/2011 06:1
Aroclor 1262	ND	2.7	16		µg/Kg	1	5/31/2011 06:1
Aroclor 1268	ND	3.7	16		µg/Kg	1	5/31/2011 06:1
Surr: Decachlorobiphenyl	81.2	0	39-122		%REC	1	5/31/2011 06:1
Surr: Tetrachloro-m-xylene	84.8	0	45-111		%REC	1	5/31/2011 06:1

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interferenc
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-7 GW-1
Lab Order:	118103	**Collection Date:**	5/26/2011 1:28:00 PM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	GROUNDWATER
Lab ID:	118103-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC16_110531D	QC Batch: 73200			PrepDate:	5/31/2011	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	6/1/2011 12:04 AM
Surr: p-Terphenyl	101	36-126		%REC	1	6/1/2011 12:04 AM
HYDROCARBON CHAIN IDENTIFICATION						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC16_110531D	QC Batch: 73200			PrepDate:	5/31/2011	Analyst: **CBR**
T/R Hydrocarbons: C8-C10	ND	0.20		mg/L	1	6/1/2011 12:04 AM
T/R Hydrocarbons: C10-C18	ND	0.20		mg/L	1	6/1/2011 12:04 AM
T/R Hydrocarbons: C18-C28	ND	0.20		mg/L	1	6/1/2011 12:04 AM
T/R Hydrocarbons: C28-C36	ND	0.20		mg/L	1	6/1/2011 12:04 AM
T/R Hydrocarbons: C36-C40	ND	0.20		mg/L	1	6/1/2011 12:04 AM
T/R Hydrocarbons: C8-C40 Total	ND	0.20		mg/L	1	6/1/2011 12:04 AM
Surr: p-Terphenyl	101	35-131		%REC	1	6/1/2011 12:04 AM
HYDROCARBON CHAIN IDENTIFICATION						
				EPA 8015B(M)		
RunID: GC19_110527A	QC Batch: M11VW106			PrepDate:		Analyst: **DDL**
T/R Hydrocarbons: C4-C12	ND	0.20		mg/L	1	5/27/2011 05:03 PM
Surr: Bromofluorobenzene (FID)	96.7	70-130		%REC	1	5/27/2011 05:03 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Print Date: *01-Jun-11*

CLIENT: Southern California Edison
Lab Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725
Lab ID: 118103-004

Client Sample ID: DP-7 GW-1
Collection Date: 5/26/2011 1:28:00 PM
Matrix: GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C				**EPA 8082**		
RunID: **GC5_110531B**	QC Batch: **73214**				PrepDate:	**5/31/2011**	Analyst: **BB**
Aroclor 1016	ND	0.16	0.50		µg/L	1	6/1/2011 12:4
Aroclor 1221	ND	0.12	1.0		µg/L	1	6/1/2011 12:4
Aroclor 1232	ND	0.13	0.50		µg/L	1	6/1/2011 12:4
Aroclor 1242	ND	0.18	0.50		µg/L	1	6/1/2011 12:4
Aroclor 1248	ND	0.080	0.50		µg/L	1	6/1/2011 12:4
Aroclor 1254	ND	0.11	0.50		µg/L	1	6/1/2011 12:4
Aroclor 1260	ND	0.19	0.50		µg/L	1	6/1/2011 12:4
Aroclor 1262	ND	0.15	0.50		µg/L	1	6/1/2011 12:4
Aroclor 1268	ND	0.17	0.50		µg/L	1	6/1/2011 12:4
Surr: Decachlorobiphenyl	91.9	0	26-132		%REC	1	6/1/2011 12:4
Surr: Tetrachloro-m-xylene	92.8	0	43-119		%REC	1	6/1/2011 12:4

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interferenc
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-7 DUPLICATE
Lab Order:	118103	**Collection Date:**	5/26/2011 1:28:00 PM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	GROUNDWATER
Lab ID:	118103-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC16_110531D	QC Batch: 73200			PrepDate:	5/31/2011	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	6/1/2011 12:14 AM
Surr: p-Terphenyl	102	36-126		%REC	1	6/1/2011 12:14 AM
HYDROCARBON CHAIN IDENTIFICATION						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC16_110531D	QC Batch: 73200			PrepDate:	5/31/2011	Analyst: **CBR**
T/R Hydrocarbons: C8-C10	ND	0.20		mg/L	1	6/1/2011 12:14 AM
T/R Hydrocarbons: C10-C18	ND	0.20		mg/L	1	6/1/2011 12:14 AM
T/R Hydrocarbons: C18-C28	ND	0.20		mg/L	1	6/1/2011 12:14 AM
T/R Hydrocarbons: C28-C36	ND	0.20		mg/L	1	6/1/2011 12:14 AM
T/R Hydrocarbons: C36-C40	ND	0.20		mg/L	1	6/1/2011 12:14 AM
T/R Hydrocarbons: C8-C40 Total	ND	0.20		mg/L	1	6/1/2011 12:14 AM
Surr: p-Terphenyl	102	35-131		%REC	1	6/1/2011 12:14 AM
HYDROCARBON CHAIN IDENTIFICATION						
				EPA 8015B(M)		
RunID: GC19_110527A	QC Batch: M11VW106			PrepDate:		Analyst: **DDL**
T/R Hydrocarbons: C4-C12	ND	0.20		mg/L	1	5/27/2011 05:23 PM
Surr: Bromofluorobenzene (FID)	96.4	70-130		%REC	1	5/27/2011 05:23 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-7 DUPLICATE
Lab Order:	118103	**Collection Date:**	5/26/2011 1:28:00 PM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	GROUNDWATER
Lab ID:	118103-005		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C				**EPA 8082**		
RunID: **GC5_110531B**	QC Batch: **73214**				PrepDate:	**5/31/2011**	Analyst: **BB**
Aroclor 1016	ND	0.16	0.50		µg/L	1	6/1/2011 01:1
Aroclor 1221	ND	0.12	1.0		µg/L	1	6/1/2011 01:1
Aroclor 1232	ND	0.13	0.50		µg/L	1	6/1/2011 01:1
Aroclor 1242	ND	0.18	0.50		µg/L	1	6/1/2011 01:1
Aroclor 1248	ND	0.080	0.50		µg/L	1	6/1/2011 01:1
Aroclor 1254	ND	0.11	0.50		µg/L	1	6/1/2011 01:1
Aroclor 1260	ND	0.19	0.50		µg/L	1	6/1/2011 01:1
Aroclor 1262	ND	0.15	0.50		µg/L	1	6/1/2011 01:1
Aroclor 1268	ND	0.17	0.50		µg/L	1	6/1/2011 01:1
Surr: Decachlorobiphenyl	83.8	0	26-132		%REC	1	6/1/2011 01:1
Surr: Tetrachloro-m-xylene	86.8	0	43-119		%REC	1	6/1/2011 01:1

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interferenc
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-6 GW-1
Lab Order:	118103	**Collection Date:**	5/26/2011 1:28:00 PM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	GROUNDWATER
Lab ID:	118103-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC16_110531D	QC Batch: 73200			PrepDate:	5/31/2011	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	6/1/2011 12:24 AM
Surr: p-Terphenyl	103	36-126		%REC	1	6/1/2011 12:24 AM
HYDROCARBON CHAIN IDENTIFICATION						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC16_110531D	QC Batch: 73200			PrepDate:	5/31/2011	Analyst: **CBR**
T/R Hydrocarbons: C8-C10	ND	0.20		mg/L	1	6/1/2011 12:24 AM
T/R Hydrocarbons: C10-C18	ND	0.20		mg/L	1	6/1/2011 12:24 AM
T/R Hydrocarbons: C18-C28	ND	0.20		mg/L	1	6/1/2011 12:24 AM
T/R Hydrocarbons: C28-C36	ND	0.20		mg/L	1	6/1/2011 12:24 AM
T/R Hydrocarbons: C36-C40	ND	0.20		mg/L	1	6/1/2011 12:24 AM
T/R Hydrocarbons: C8-C40 Total	ND	0.20		mg/L	1	6/1/2011 12:24 AM
Surr: p-Terphenyl	103	35-131		%REC	1	6/1/2011 12:24 AM
HYDROCARBON CHAIN IDENTIFICATION						
				EPA 8015B(M)		
RunID: GC19_110527A	QC Batch: M11VW106			PrepDate:		Analyst: **DDL**
T/R Hydrocarbons: C4-C12	ND	0.20		mg/L	1	5/27/2011 05:42 PM
Surr: Bromofluorobenzene (FID)	96.6	70-130		%REC	1	5/27/2011 05:42 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

Print Date: *01-Jun-11*

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-6 GW-1
Lab Order:	118103	**Collection Date:**	5/26/2011 1:28:00 PM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	GROUNDWATER
Lab ID:	118103-006		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C				**EPA 8082**		
RunID: **GC5_110531B**	QC Batch: **73214**				PrepDate:	**5/31/2011**	Analyst: **BB**
Aroclor 1016	ND	0.16	0.50		µg/L	1	6/1/2011 01:4
Aroclor 1221	ND	0.12	1.0		µg/L	1	6/1/2011 01:4
Aroclor 1232	ND	0.13	0.50		µg/L	1	6/1/2011 01:4
Aroclor 1242	ND	0.18	0.50		µg/L	1	6/1/2011 01:4
Aroclor 1248	ND	0.080	0.50		µg/L	1	6/1/2011 01:4
Aroclor 1254	ND	0.11	0.50		µg/L	1	6/1/2011 01:4
Aroclor 1260	ND	0.19	0.50		µg/L	1	6/1/2011 01:4
Aroclor 1262	ND	0.15	0.50		µg/L	1	6/1/2011 01:4
Aroclor 1268	ND	0.17	0.50		µg/L	1	6/1/2011 01:4
Surr: Decachlorobiphenyl	84.4	0	26-132		%REC	1	6/1/2011 01:4
Surr: Tetrachloro-m-xylene	85.3	0	43-119		%REC	1	6/1/2011 01:4

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interferenc
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	EQUIPMENT RINSE
Lab Order:	118103	**Collection Date:**	5/26/2011 2:50:00 PM
Project:	WESTLAKE-CAPSTAN CIRCLE, 313725	**Matrix:**	DRINKING WATER
Lab ID:	118103-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC16_110531D	QC Batch: 73200			PrepDate:	5/31/2011	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	6/1/2011 12:33 AM
Surr: p-Terphenyl	74.8	36-126		%REC	1	6/1/2011 12:33 AM
HYDROCARBON CHAIN IDENTIFICATION						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC16_110531D	QC Batch: 73200			PrepDate:	5/31/2011	Analyst: **CBR**
T/R Hydrocarbons: C8-C10	ND	0.20		mg/L	1	6/1/2011 12:33 AM
T/R Hydrocarbons: C10-C18	ND	0.20		mg/L	1	6/1/2011 12:33 AM
T/R Hydrocarbons: C18-C28	ND	0.20		mg/L	1	6/1/2011 12:33 AM
T/R Hydrocarbons: C28-C36	ND	0.20		mg/L	1	6/1/2011 12:33 AM
T/R Hydrocarbons: C36-C40	ND	0.20		mg/L	1	6/1/2011 12:33 AM
T/R Hydrocarbons: C8-C40 Total	ND	0.20		mg/L	1	6/1/2011 12:33 AM
Surr: p-Terphenyl	74.8	35-131		%REC	1	6/1/2011 12:33 AM
HYDROCARBON CHAIN IDENTIFICATION						
				EPA 8015B(M)		
RunID: GC19_110527A	QC Batch: M11VW106			PrepDate:		Analyst: **DDL**
T/R Hydrocarbons: C4-C12	ND	0.20		mg/L	1	5/27/2011 06:02 PM
Surr: Bromofluorobenzene (FID)	97.4	70-130		%REC	1	5/27/2011 06:02 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories

Print Date: *01-Jun-11*

CLIENT: Southern California Edison
Lab Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725
Lab ID: 118103-007

Client Sample ID: EQUIPMENT RINSE
Collection Date: 5/26/2011 2:50:00 PM
Matrix: DRINKING WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C				**EPA 8082**		
RunID: **GC5_110531B**	QC Batch: **73214**				PrepDate:	**5/31/2011**	Analyst: **BB**
Aroclor 1016	ND	0.16	0.50		µg/L	1	6/1/2011 02:1
Aroclor 1221	ND	0.12	1.0		µg/L	1	6/1/2011 02:1
Aroclor 1232	ND	0.13	0.50		µg/L	1	6/1/2011 02:1
Aroclor 1242	ND	0.18	0.50		µg/L	1	6/1/2011 02:1
Aroclor 1248	ND	0.080	0.50		µg/L	1	6/1/2011 02:1
Aroclor 1254	ND	0.11	0.50		µg/L	1	6/1/2011 02:1
Aroclor 1260	ND	0.19	0.50		µg/L	1	6/1/2011 02:1
Aroclor 1262	ND	0.15	0.50		µg/L	1	6/1/2011 02:1
Aroclor 1268	ND	0.17	0.50		µg/L	1	6/1/2011 02:1
Surr: Decachlorobiphenyl	88.6	0	26-132		%REC	1	6/1/2011 02:1
Surr: Tetrachloro-m-xylene	87.5	0	43-119		%REC	1	6/1/2011 02:1

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interferenc
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73188

Sample ID: **LCS-73188**	SampType: **LCS**	TestCode: **8015_S_DM H**	Units: **mg/Kg**	Prep Date: **5/27/2011**	RunNo: **133439**
Client ID: **LCSS**	Batch ID: **73188**	TestNo: **EPA 8015B(M LUFT**		Analysis Date: **5/31/2011**	SeqNo: **2177307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	923.210	10	1000	0	92.3	76	139				
Surr: p-Terphenyl	90.670		80.00		113	63	152				

Sample ID: **MB-73188**	SampType: **MBLK**	TestCode: **8015_S_DM H**	Units: **mg/Kg**	Prep Date: **5/27/2011**	RunNo: **133439**
Client ID: **PBS**	Batch ID: **73188**	TestNo: **EPA 8015B(M LUFT**		Analysis Date: **5/31/2011**	SeqNo: **2177308**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
ORO	ND	10									
Surr: p-Terphenyl	91.900		80.00		115	63	152				

Sample ID: **118079-001AMS**	SampType: **MS**	TestCode: **8015_S_DM H**	Units: **mg/Kg**	Prep Date: **5/27/2011**	RunNo: **133439**
Client ID: **ZZZZZZ**	Batch ID: **73188**	TestNo: **EPA 8015B(M LUFT**		Analysis Date: **5/31/2011**	SeqNo: **2177309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	929.840	10	1000	12.65	91.7	60	158				
Surr: p-Terphenyl	91.770		80.00		115	63	152				

Sample ID: **118079-001AMSD**	SampType: **MSD**	TestCode: **8015_S_DM H**	Units: **mg/Kg**	Prep Date: **5/27/2011**	RunNo: **133439**
Client ID: **ZZZZZZ**	Batch ID: **73188**	TestNo: **EPA 8015B(M LUFT**		Analysis Date: **5/31/2011**	SeqNo: **2177310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1092.900	10	1000	12.65	108	60	158	929.8	16.1	20	
Surr: p-Terphenyl	104.900		80.00		131	63	152		0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73188

Sample ID: **MB-73188** SampType: **MBLK** TestCode: **HC_S_ATL** Units: **mg/Kg** Prep Date: **5/27/2011** RunNo: **133439**
Client ID: **PBS** Batch ID: **73188** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/31/2011** SeqNo: **2177321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C8-C10	ND	10									
T/R Hydrocarbons: C10-C18	ND	10									
T/R Hydrocarbons: C18-C28	ND	10									
T/R Hydrocarbons: C28-C36	ND	10									
T/R Hydrocarbons: C36-C40	ND	10									
T/R Hydrocarbons: C8-C40 Total	ND	10									
Surr: p-Terphenyl	91.900		80.00		115	63	152				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
  Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73200

Sample ID: **MB-73200**	SampType: **MBLK**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **5/31/2011**	RunNo: **133477**
Client ID: **PBW**	Batch ID: **73200**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **5/31/2011**	SeqNo: **2178166**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.063		0.08000		78.1	36	126				

Sample ID: **LCS-73200**	SampType: **LCS**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **5/31/2011**	RunNo: **133477**
Client ID: **LCSW**	Batch ID: **73200**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **5/31/2011**	SeqNo: **2178167**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.668	0.20	1.000	0	66.8	52	128				
Surr: p-Terphenyl	0.068		0.08000		85.4	36	126				

Sample ID: **MB-73200MS**	SampType: **MS**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **5/31/2011**	RunNo: **133477**
Client ID: **ZZZZZZ**	Batch ID: **73200**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **5/31/2011**	SeqNo: **2178168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.602	0.20	1.000	0	60.2	52	128				
Surr: p-Terphenyl	0.065		0.08000		81.8	36	126				

Sample ID: **MB-73200MSD**	SampType: **MSD**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **5/31/2011**	RunNo: **133477**
Client ID: **ZZZZZZ**	Batch ID: **73200**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **5/31/2011**	SeqNo: **2178169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.592	0.20	1.000	0	59.2	52	128	0.6016	1.61	20	
Surr: p-Terphenyl	0.067		0.08000		83.7	36	126		0	0	

Sample ID: **MB-73200**	SampType: **MBLK**	TestCode: **HC_W_ATL**	Units: **mg/L**	Prep Date: **5/31/2011**	RunNo: **133477**
Client ID: **PBW**	Batch ID: **73200**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **5/31/2011**	SeqNo: **2178207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C8-C10	ND	0.20									

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73200

Sample ID: **MB-73200**	SampType: **MBLK**	TestCode: **HC_W_ATL**	Units: **mg/L**	Prep Date: **5/31/2011**	RunNo: **133477**
Client ID: **PBW**	Batch ID: **73200**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **5/31/2011**	SeqNo: **2178207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C18	ND	0.20									
T/R Hydrocarbons: C18-C28	ND	0.20									
T/R Hydrocarbons: C28-C36	ND	0.20									
T/R Hydrocarbons: C36-C40	ND	0.20									
T/R Hydrocarbons: C8-C40 Total	ND	0.20									
Surr: p-Terphenyl	0.063		0.08000		78.1	35	131				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: E11VS205

Sample ID: **E110527LC1**	SampType: **LCS**	TestCode: **HC_S_VOAC**	Units: **mg/Kg**	Prep Date:	RunNo: **133435**
Client ID: **LCSS**	Batch ID: **E11VS205**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177261**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.316	1.0	5.000	0	106	70	130				
Surr: Bromofluorobenzene (FID)	115.158		100.0		115	62	153				

Sample ID: **E110527MB1MS**	SampType: **MS**	TestCode: **HC_S_VOAC**	Units: **mg/Kg**	Prep Date:	RunNo: **133435**
Client ID: **ZZZZZZ**	Batch ID: **E11VS205**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177262**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.996	1.0	5.000	0	99.9	49	131				
Surr: Bromofluorobenzene (FID)	109.666		100.0		110	56	137				

Sample ID: **E110527MB1MSD**	SampType: **MSD**	TestCode: **HC_S_VOAC**	Units: **mg/Kg**	Prep Date:	RunNo: **133435**
Client ID: **ZZZZZZ**	Batch ID: **E11VS205**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177263**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.099	1.0	5.000	0	102	49	131	4.996	2.04	20	
Surr: Bromofluorobenzene (FID)	111.759		100.0		112	56	137		0	0	

Sample ID: **E110527MB1**	SampType: **MBLK**	TestCode: **HC_S_VOAC**	Units: **mg/Kg**	Prep Date:	RunNo: **133435**
Client ID: **PBS**	Batch ID: **E11VS205**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177264**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0									
Surr: Bromofluorobenzene (FID)	102.820		100.0		103	62	153				

Sample ID: **118079-001AMS**	SampType: **MS**	TestCode: **HC_S_VOAC**	Units: **mg/Kg**	Prep Date:	RunNo: **133435**
Client ID: **ZZZZZZ**	Batch ID: **E11VS205**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177266**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.939	1.0	5.000	0.3350	92.1	49	131				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits

Calculations are based on raw values

- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: E11VS205

Sample ID: **118079-001AMS**	SampType: **MS**	TestCode: **HC_S_VOAC**	Units: **mg/Kg**	Prep Date:	RunNo: **133435**
Client ID: **ZZZZZZ**	Batch ID: **E11VS205**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177266**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	127.909		100.0		128	56	137				

Sample ID: **118079-001AMSD**	SampType: **MSD**	TestCode: **HC_S_VOAC**	Units: **mg/Kg**	Prep Date:	RunNo: **133435**
Client ID: **ZZZZZZ**	Batch ID: **E11VS205**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177267**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.766	1.0	5.000	0.3350	88.6	49	131	4.939	3.57	20	
Surr: Bromofluorobenzene (FID)	129.827		100.0		130	56	137		0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits

Calculations are based on raw values

- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: M11VW106

Sample ID: **M110527LCS2**	SampType: **LCS**	TestCode: **HC_W_VOAC**	Units: **mg/L**	Prep Date:	RunNo: **133428**
Client ID: **LCSW**	Batch ID: **M11VW106**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177021**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	1.018	0.20	1.000	0	102	70	130				
Surr: Bromofluorobenzene (FID)	102.112		100.0		102	70	130				

Sample ID: **M110527MB1MS**	SampType: **MS**	TestCode: **HC_W_VOAC**	Units: **mg/L**	Prep Date:	RunNo: **133428**
Client ID: **ZZZZZZ**	Batch ID: **M11VW106**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	1.013	0.20	1.000	0	101	70	130				
Surr: Bromofluorobenzene (FID)	100.687		100.0		101	70	130				

Sample ID: **M110527MB1MSD**	SampType: **MSD**	TestCode: **HC_W_VOAC**	Units: **mg/L**	Prep Date:	RunNo: **133428**
Client ID: **ZZZZZZ**	Batch ID: **M11VW106**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	1.023	0.20	1.000	0	102	70	130	1.013	0.982	20	
Surr: Bromofluorobenzene (FID)	102.295		100.0		102	70	130		0	0	

Sample ID: **M110527MB1**	SampType: **MBLK**	TestCode: **HC_W_VOAC**	Units: **mg/L**	Prep Date:	RunNo: **133428**
Client ID: **PBW**	Batch ID: **M11VW106**	TestNo: **EPA 8015B(M**		Analysis Date: **5/27/2011**	SeqNo: **2177024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	0.20									
Surr: Bromofluorobenzene (FID)	96.768		100.0		96.8	70	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
  Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73213

Sample ID: **MB-73213**	SampType: **MBLK**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **5/31/2011**	RunNo: **133469**
Client ID: **PBS**	Batch ID: **73213**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **5/31/2011**	SeqNo: **2177854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	16									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	15.539		16.67		93.2	39	122				
Surr: Tetrachloro-m-xylene	17.552		16.67		105	45	111				

Sample ID: **LCS-73213**	SampType: **LCS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **5/31/2011**	RunNo: **133469**
Client ID: **LCSS**	Batch ID: **73213**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **5/31/2011**	SeqNo: **2177855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	126.295	16	166.7	0	75.8	56	106				
Aroclor 1260	147.104	16	166.7	0	88.3	57	119				
Surr: Decachlorobiphenyl	13.351		16.67		80.1	39	122				
Surr: Tetrachloro-m-xylene	14.506		16.67		87.0	45	111				

Sample ID: **118102-001AMS**	SampType: **MS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **5/31/2011**	RunNo: **133469**
Client ID: **ZZZZZZ**	Batch ID: **73213**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **5/31/2011**	SeqNo: **2177856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	115.071	16	166.7	0	69.0	48	115				
Aroclor 1260	139.069	16	166.7	0	83.4	48	133				
Surr: Decachlorobiphenyl	11.821		16.67		70.9	39	122				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73213

Sample ID: 118102-001AMS	SampType: MS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 5/31/2011	RunNo: 133469
Client ID: ZZZZZZ	Batch ID: 73213	TestNo: EPA 8082	EPA 3550B	Analysis Date: 5/31/2011	SeqNo: 2177856

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	13.716		16.67		82.3	45	111				

Sample ID: 118102-001AMSD	SampType: MSD	TestCode: 8082_S	Units: µg/Kg	Prep Date: 5/31/2011	RunNo: 133469
Client ID: ZZZZZZ	Batch ID: 73213	TestNo: EPA 8082	EPA 3550B	Analysis Date: 5/31/2011	SeqNo: 2177857

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	113.800	16	166.7	0	68.3	48	115	115.1	1.11	20	
Aroclor 1260	139.004	16	166.7	0	83.4	48	133	139.1	0.0468	20	
Surr: Decachlorobiphenyl	11.688		16.67		70.1	39	122		0	20	
Surr: Tetrachloro-m-xylene	13.800		16.67		82.8	45	111		0	0	

Sample ID: MB-73213	SampType: MBLK	TestCode: 8082_S_MDL	Units: µg/Kg	Prep Date: 5/31/2011	RunNo: 133469
Client ID: PBS	Batch ID: 73213	TestNo: EPA 8082	EPA 3550B	Analysis Date: 5/31/2011	SeqNo: 2177868

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	15.539		16.67		93.2	39	122				
Surr: Tetrachloro-m-xylene	17.552		16.67		105	45	111				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73213

Sample ID: **LCS-73213**	SampType: **LCS**	TestCode: **8082_S_MDL**	Units: **µg/Kg**	Prep Date: **5/31/2011**	RunNo: **133469**
Client ID: **LCSS**	Batch ID: **73213**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **5/31/2011**	SeqNo: **2177869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	126.295	16	166.7	0	75.8	56	106				
Aroclor 1260	147.104	16	166.7	0	88.3	57	119				
Surr: Decachlorobiphenyl	13.351		16.67		80.1	39	122				
Surr: Tetrachloro-m-xylene	14.506		16.67		87.0	45	111				

Sample ID: **118102-001AMS**	SampType: **MS**	TestCode: **8082_S_MDL**	Units: **µg/Kg**	Prep Date: **5/31/2011**	RunNo: **133469**
Client ID: **ZZZZZZ**	Batch ID: **73213**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **5/31/2011**	SeqNo: **2177870**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	115.071	16	166.7	0	69.0	51	108				
Aroclor 1260	139.069	16	166.7	0	83.4	53	120				
Surr: Decachlorobiphenyl	11.821		16.67		70.9	48	115				
Surr: Tetrachloro-m-xylene	13.716		16.67		82.3	48	133				

Sample ID: **118102-001AMSD**	SampType: **MSD**	TestCode: **8082_S_MDL**	Units: **µg/Kg**	Prep Date: **5/31/2011**	RunNo: **133469**
Client ID: **ZZZZZZ**	Batch ID: **73213**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **5/31/2011**	SeqNo: **2177871**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	113.800	16	166.7	0	68.3	48	115	115.1	1.11	20	
Aroclor 1260	139.004	16	166.7	0	83.4	48	133	139.1	0.0468	20	
Surr: Decachlorobiphenyl	11.688		16.67		70.1	39	122		0	20	
Surr: Tetrachloro-m-xylene	13.800		16.67		82.8	45	111		0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73214

Sample ID: **MB-73214**	SampType: **MBLK**	TestCode: **8082_W_MDL**	Units: **µg/L**	Prep Date: **5/31/2011**	RunNo: **133471**
Client ID: **PBW**	Batch ID: **73214**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **5/31/2011**	SeqNo: **2177911**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Aroclor 1262	ND	0.50									
Aroclor 1268	ND	0.50									
Surr: Decachlorobiphenyl	0.434		0.5000		86.8	26	132				
Surr: Tetrachloro-m-xylene	0.484		0.5000		96.8	43	119				

Sample ID: **LCS-73214**	SampType: **LCS**	TestCode: **8082_W_MDL**	Units: **µg/L**	Prep Date: **5/31/2011**	RunNo: **133471**
Client ID: **LCSW**	Batch ID: **73214**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **5/31/2011**	SeqNo: **2177912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.094	0.50	5.000	0	81.9	53	115				
Aroclor 1260	4.540	0.50	5.000	0	90.8	52	125				
Surr: Decachlorobiphenyl	0.428		0.5000		85.6	26	132				
Surr: Tetrachloro-m-xylene	0.448		0.5000		89.5	43	119				

Sample ID: **MB-73214MS**	SampType: **MS**	TestCode: **8082_W_MDL**	Units: **µg/L**	Prep Date: **5/31/2011**	RunNo: **133471**
Client ID: **ZZZZZZ**	Batch ID: **73214**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **5/31/2011**	SeqNo: **2177913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.469	0.50	5.000	0	69.4	53	115				
Aroclor 1260	3.828	0.50	5.000	0	76.6	52	125				
Surr: Decachlorobiphenyl	0.354		0.5000		70.8	26	132				
Surr: Tetrachloro-m-xylene	0.383		0.5000		76.5	43	119				

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 118103
Project: WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73214

Sample ID: **MB-73214MSD**	SampType: **MSD**	TestCode: **8082_W_MDL**	Units: **µg/L**	Prep Date: **5/31/2011**	RunNo: **133471**
Client ID: **ZZZZZZ**	Batch ID: **73214**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **6/1/2011**	SeqNo: **2177914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.544	0.50	5.000	0	70.9	53	115	3.469	2.17	20	
Aroclor 1260	3.914	0.50	5.000	0	78.3	52	125	3.828	2.21	20	
Surr: Decachlorobiphenyl	0.362		0.5000		72.3	26	132		0	0	
Surr: Tetrachloro-m-xylene	0.392		0.5000		78.4	43	119		0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Calculations are based on raw values

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____
Logged By: _____ Date: 5/27/11
NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☑ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____

Sample Condition Upon Receipt: 3.4
1. CHILLED Y☑ N☐ 4. CUSTODY SEAL Y☑ N☐
2. HEADSPACE (VOA) Y☑ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: **Southern California Edison**
Attn: DAVE VAN HORSEN
Address: 300 N. Lone Hill Avenue
City San Dimas State CA Zip Code 91773
TEL: (909) 394-8947
FAX: (909) 394-8610

Project Name: WESTLAKE - CAPSTAN CIRCLE Project #: 313725
Sampler: (Printed Name) DAVID VAN HORSEN (Signature) David VanHorsen

Relinquished by: (Signature and Printed Name) David VanHorsen	Date: 5/26/11	Time: 2:50p	Received by: (Signature and Printed Name) GLORIA BERRIOS	Date: 5/26/11	Time: 1450
Relinquished by: (Signature and Printed Name)	Date: 5/27/11	Time: 0950	Received by: (Signature and Printed Name)	Date: 5/27/11	Time: 0950
Relinquished by: (Signature and Printed Name)	Date: 5/27/11	Time: 1039	Received by: (Signature and Printed Name)	Date: 5/27/11	Time: 1039

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
DAVE VAN HORSEN (Print Name) 5/26/11 (Date)
X David VanHorsen (Signature) 5/26/11

Send Report To: Attn: _____ Co: SAME AS ABOVE Addr: _____ City: _____ State: _____ Zip: _____

Bill To: Attn: _____ Co: SAME AS ABOVE Addr: _____ City: _____ State: _____ Zip: _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

Q A / Q C: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	1664 SGT/HEM (TRPH)	CARBON CHAIN	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	CONCRETE	TAT	Container(s) #	Container(s) Type	REMARKS
	11S/J3- JJJ	DP-5 S-1 @ 7'	5/26	11:35	X							X				X								C	1	TP	
	2	DP-6 S-1 @ 7'		11:52	X							X				X									1	TP	
	3	DP-7 S-1 @ 7'		12:12	X							X				X									1	TP	
	4	DP-7 GW-1		1326				X										X							3	VG	
		DP-7 GW-1			X				X			X						X							3	JG	
	5	DP-7 DUPLICATE						X										X							3	VG	
		DP-7 DUPLICATE			X				X			X						X							3	JG	
	6	DP-6 GW-1						X										X							3	VG	
		DP-6 GW-1			X				X			X						X							3	JG	
	7	EQUIPMENT RINSE	5/26	1450				X									X						C	3	VG	

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: ☐A= Overnight ≤ 24 hrs ☐B= Emergency Next workday ☐C= Critical 2 Workdays ☐D= Urgent 3 Workdays ☐E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☑ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. CUSTODY SEAL Y☑ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: **Southern California Edison**
Attn: DAVID VAN HORSEN
Address: 300 N. Lone Hill Avenue
City San Dimas State CA Zip Code 91773
TEL: (909) 394-8947
FAX: (909) 394-8610

Project Name: WESTLAKE-CAPSTAN CIRCLE Project #: 313725
Sampler: (Printed Name) DAVID VAN HORSEN (Signature) David Van Horsen

Relinquished by: (Signature and Printed Name) David Van Horsen Date: 5/26/11 Time: 2:30p Received by: (Signature and Printed Name) [illegible] Date: 5/26/11 Time: 1450
Relinquished by: (Signature and Printed Name) [illegible] Date: 5/27/11 Time: 0950 Received by: (Signature and Printed Name) [illegible] Date: 5/27/11 Time: 0950
Relinquished by: (Signature and Printed Name) [illegible] Date: 5/27/11 Time: 1040 Received by: (Signature and Printed Name) [illegible] Date: 5/27/11 Time: 1040

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: DAVE VAN HORSEN 5/26/11 (Print Name / Date)
David Van Horsen (Signature)

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: _____ State: _____ Zip: _____

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: _____ State: _____ Zip: _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

Q A / Q C: RTNE ☐ CT ☐ Legal ☐ SWRCB Logcode ☐ OTHER ☐

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	1664 SGT/HEM (TRPH)	CARBON CHAIN	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	CONCRETE	TAT	Container(s) #	Container(s) Type	REMARKS
	119103 - 7	EQUIPMENT RINSE	5/26	1450	X				X			X					X							C	3	VOG	

TAT: ☐A= Overnight ≤ 24 hrs ☐B= Emergency Next workday ☐C= Critical 2 Workdays ☐D= Urgent 3 Workdays ☐E= Routine 7 Workdays

• TAT starts 8 a.m. following day if samples received after 5 p.m.

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Carmen Aguila

From: David.Vanhorsen@sce.com
Sent: Friday, May 27, 2011 3:35 PM
To: Carmen Aguila
Subject: Re: WESTLAKE-CAPSTAN CIRCLE, 313725

I am still not sure about "mineral spirits" I need to research that some more. Can I hold those bottles.. I am fine with everything else.
Please proceed
Sent via Blackberry

From: "Carmen Aguila" [carmen@atlglobal.com]
Sent: 05/27/2011 02:03 PM MST
To: David Van Horsen
Cc: "Diane Galvan" <diane@atlglobal.com>
Subject: WESTLAKE-CAPSTAN CIRCLE, 313725

Hi Dave,

Per our conversation, this is how we will proceed with the samples submitted for the above project:

1. Samples requested for Carbon chain will be reported as C4-C12, C8-10,C10-C18,C18-28,C28-C36, C36-C40,C8-C40 Total.
2. Include 8015 Mineral Spirits for the samples requested for 8015 DRO.
3. Groundwater samples requested for 8015 GRO/8021 BTEX, report only as TPH CC-C4-C12.
4. "J" flag report for 8082 to include MDL.

Please reply to acknowledge. Attached is the coc.

Thank you,

Carmen Aguila
Sample Control Manager

Advanced Technology Laboratories
www.atlglobal.com
Tel: (562) 989-4045 ext. 245
Fax: (562) 989-4040

ANALYTICAL TESTING RESULTS AND CHAIN OF CUSTODY for JANUARY 2011 SAMPLING EVENT

February 04, 2011

David Van Horsen
Southern California Edison
300 N. Lone Hill Avenue
San Dimas, CA 91773

TEL: (909) 394-8623
FAX: (909) 394-8593

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003

Workorder No.: 115793

RE: Westlake Village GW Sampling, 313725

Attention: David Van Horsen

Enclosed are the results for sample(s) received on January 13, 2011 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Southern California Edison
Project: Westlake Village GW Sampling, 313725
Lab Order: 115793

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Sample Receiving / General Comments

PCB analysis was requested beyond hold time for sample 115793-016A. Results are flagged with an "H" qualifier.

"ND" is defined as less than Method Detection Limit (MDL).

Analytical Comments for Method 8082

Surrogate recovery biased low possibly for sample 115793-007A, due to matrix interferences.

Higher detection limits were required for groundwater sample DP-4, due to insufficient sample volume.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Feb-11*

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-1@8'
Lab Order:	115793	**Collection Date:**	1/12/2011 10:21:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-001A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B				**EPA 8082**		
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 02:14 PM
Surr: Decachlorobiphenyl	95.6	0	36-124		%REC	1	1/19/2011 02:14 PM
Surr: Tetrachloro-m-xylene	74.0	0	35-141		%REC	1	1/19/2011 02:14 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Feb-11*

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-2@7'
Lab Order:	115793	**Collection Date:**	1/12/2011 10:48:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-002A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B			**EPA 8082**			
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 02:45 PM
Surr: Decachlorobiphenyl	66.7	0	36-124		%REC	1	1/19/2011 02:45 PM
Surr: Tetrachloro-m-xylene	55.4	0	35-141		%REC	1	1/19/2011 02:45 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference	
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out	

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: *04-Feb-11*

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-3@8'
Lab Order:	115793	**Collection Date:**	1/12/2011 11:29:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-003A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B			**EPA 8082**			
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 03:16 PM
Surr: Decachlorobiphenyl	97.1	0	36-124		%REC	1	1/19/2011 03:16 PM
Surr: Tetrachloro-m-xylene	72.9	0	35-141		%REC	1	1/19/2011 03:16 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-4@8'
Lab Order:	115793	**Collection Date:**	1/12/2011 9:46:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-004A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B			**EPA 8082**			
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 03:47 PM
Surr: Decachlorobiphenyl	90.9	0	36-124		%REC	1	1/19/2011 03:47 PM
Surr: Tetrachloro-m-xylene	71.5	0	35-141		%REC	1	1/19/2011 03:47 PM

CLIENT:	Southern California Edison	**Client Sample ID:**	HA-1-9'
Lab Order:	115793	**Collection Date:**	1/12/2011 1:24:00 PM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-005A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B			**EPA 8082**			
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 04:18 PM
Surr: Decachlorobiphenyl	114	0	36-124		%REC	1	1/19/2011 04:18 PM
Surr: Tetrachloro-m-xylene	94.3	0	35-141		%REC	1	1/19/2011 04:18 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	HA-2-6'
Lab Order:	115793	**Collection Date:**	1/12/2011 1:53:00 PM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-006A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B			**EPA 8082**			
RunID: **GC4_110119A**	QC Batch: **69842**				PrepDate:	**1/18/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1221	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1232	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1242	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1248	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1254	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1260	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1262	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Aroclor 1268	ND	5.0	16		µg/Kg	1	1/19/2011 04:49 PM
Surr: Decachlorobiphenyl	110	0	36-124		%REC	1	1/19/2011 04:49 PM
Surr: Tetrachloro-m-xylene	96.1	0	35-141		%REC	1	1/19/2011 04:49 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-1
Lab Order:	115793	**Collection Date:**	1/12/2011 10:58:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-007A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1221	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1232	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1242	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1248	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1254	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1260	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1262	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Aroclor 1268	ND	0.21	0.53		µg/L	1	1/19/2011 10:06 PM
Surr: Decachlorobiphenyl	37.8	0	26-112		%REC	1	1/19/2011 10:06 PM
Surr: Tetrachloro-m-xylene	46.5	0	48-130	S	%REC	1	1/19/2011 10:06 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference	
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out	

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-1 Duplicate
Lab Order:	115793	**Collection Date:**	1/12/2011 11:03:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-008A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C				**EPA 8082**		
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1221	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1232	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1242	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1248	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1254	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1260	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1262	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Aroclor 1268	ND	0.22	0.56		µg/L	1	1/19/2011 10:35 PM
Surr: Decachlorobiphenyl	46.5	0	26-112		%REC	1	1/19/2011 10:35 PM
Surr: Tetrachloro-m-xylene	60.4	0	48-130		%REC	1	1/19/2011 10:35 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-2
Lab Order:	115793	**Collection Date:**	1/12/2011 11:31:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-009A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C				**EPA 8082**		
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1221	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1232	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1242	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1248	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1254	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1260	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1262	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Aroclor 1268	ND	0.22	0.56		µg/L	1	1/19/2011 11:05 PM
Surr: Decachlorobiphenyl	42.6	0	26-112		%REC	1	1/19/2011 11:05 PM
Surr: Tetrachloro-m-xylene	60.2	0	48-130		%REC	1	1/19/2011 11:05 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-3
Lab Order:	115793	**Collection Date:**	1/12/2011 11:41:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-010A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C				**EPA 8082**		
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1221	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1232	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1242	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1248	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1254	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1260	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1262	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Aroclor 1268	ND	0.22	0.56		µg/L	1	1/19/2011 11:35 PM
Surr: Decachlorobiphenyl	51.1	0	26-112		%REC	1	1/19/2011 11:35 PM
Surr: Tetrachloro-m-xylene	69.3	0	48-130		%REC	1	1/19/2011 11:35 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-4
Lab Order:	115793	**Collection Date:**	1/12/2011 2:15:00 PM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-011A		

PCBS BY GC/ECD

EPA 3510C **EPA 8082**

RunID: **GC5_110119A** QC Batch: **69859** PrepDate: **1/19/2011** Analyst: **BB**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
Aroclor 1016	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1221	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1232	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1242	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1248	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1254	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1260	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1262	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Aroclor 1268	ND	2.0	5.0		µg/L	1	1/20/2011 12:05 AM
Surr: Decachlorobiphenyl	64.7	0	26-112		%REC	1	1/20/2011 12:05 AM
Surr: Tetrachloro-m-xylene	88.9	0	48-130		%REC	1	1/20/2011 12:05 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	HA-1
Lab Order:	115793	**Collection Date:**	1/12/2011 1:46:00 PM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-012A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1221	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1232	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1242	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1248	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1254	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1260	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1262	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Aroclor 1268	ND	0.22	0.56		µg/L	1	1/20/2011 12:35 AM
Surr: Decachlorobiphenyl	37.2	0	26-112		%REC	1	1/20/2011 12:35 AM
Surr: Tetrachloro-m-xylene	60.9	0	48-130		%REC	1	1/20/2011 12:35 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	HA-2
Lab Order:	115793	**Collection Date:**	1/12/2011 2:13:00 PM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	GROUNDWATER
Lab ID:	115793-013A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C			**EPA 8082**			
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1221	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1232	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1242	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1248	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1254	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1260	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1262	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Aroclor 1268	ND	0.29	0.71		µg/L	1	1/20/2011 01:04 AM
Surr: Decachlorobiphenyl	33.5	0	26-112		%REC	1	1/20/2011 01:04 AM
Surr: Tetrachloro-m-xylene	75.5	0	48-130		%REC	1	1/20/2011 01:04 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	Equipment Blank
Lab Order:	115793	**Collection Date:**	1/12/2011 11:51:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	DISTILLED WATER
Lab ID:	115793-014A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3510C				**EPA 8082**		
RunID: **GC5_110119A**	QC Batch: **69859**				PrepDate:	**1/19/2011**	Analyst: **BB**
Aroclor 1016	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1221	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1232	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1242	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1248	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1254	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1260	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1262	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Aroclor 1268	ND	0.20	0.50		µg/L	1	1/20/2011 01:34 AM
Surr: Decachlorobiphenyl	63.4	0	26-112		%REC	1	1/20/2011 01:34 AM
Surr: Tetrachloro-m-xylene	78.5	0	48-130		%REC	1	1/20/2011 01:34 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT:	Southern California Edison	**Client Sample ID:**	DP-1 Duplicate
Lab Order:	115793	**Collection Date:**	1/12/2011 10:21:00 AM
Project:	Westlake Village GW Sampling, 313725	**Matrix:**	SOIL
Lab ID:	115793-016A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD							
	EPA 3550B			**EPA 8082**			
RunID: **GC5_110203A**	QC Batch: **70379**				PrepDate:	**2/3/2011**	Analyst: **BB**
Aroclor 1016	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1221	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1232	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1242	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1248	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1254	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1260	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1262	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Aroclor 1268	ND	5.0	16	H	µg/Kg	1	2/3/2011 06:57 PM
Surr: Decachlorobiphenyl	70.2	0	36-124	H	%REC	1	2/3/2011 06:57 PM
Surr: Tetrachloro-m-xylene	68.3	0	35-141	H	%REC	1	2/3/2011 06:57 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-69842**	SampType: **MBLK**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **1/18/2011**	RunNo: **128947**
Client ID: **PBS**	Batch ID: **69842**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/19/2011**	SeqNo: **2090162**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	16									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	14.173		16.67		85.0	36	124				
Surr: Tetrachloro-m-xylene	13.604		16.67		81.6	35	141				

Sample ID: **LCS-69842**	SampType: **LCS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **1/18/2011**	RunNo: **128947**
Client ID: **LCSS**	Batch ID: **69842**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/19/2011**	SeqNo: **2090163**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	129.357	16	166.7	0	77.6	56	100				
Aroclor 1260	165.217	16	166.7	0	99.1	57	110				
Surr: Decachlorobiphenyl	14.063		16.67		84.4	36	124				
Surr: Tetrachloro-m-xylene	14.098		16.67		84.6	35	141				

Sample ID: **MB-69842MS**	SampType: **MS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **1/18/2011**	RunNo: **128947**
Client ID: **ZZZZZZ**	Batch ID: **69842**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/19/2011**	SeqNo: **2090164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	122.149	16	166.7	0	73.3	51	108				
Aroclor 1260	142.030	16	166.7	0	85.2	53	120				
Surr: Decachlorobiphenyl	13.669		16.67		82.0	36	124				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-69842MS**	SampType: **MS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **1/18/2011**	RunNo: **128947**
Client ID: **ZZZZZZ**	Batch ID: **69842**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/19/2011**	SeqNo: **2090164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	12.886		16.67		77.3	35	141				

Sample ID: **MB-69842MSD**	SampType: **MSD**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **1/18/2011**	RunNo: **128947**
Client ID: **ZZZZZZ**	Batch ID: **69842**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **1/19/2011**	SeqNo: **2090165**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	125.977	16	166.7	0	75.6	51	108	122.1	3.09	20	
Aroclor 1260	143.921	16	166.7	0	86.4	53	120	142.0	1.32	20	
Surr: Decachlorobiphenyl	14.082		16.67		84.5	36	124		0	20	
Surr: Tetrachloro-m-xylene	13.517		16.67		81.1	35	141		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-70379**	SampType: **MBLK**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **2/3/2011**	RunNo: **129550**
Client ID: **PBS**	Batch ID: **70379**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **2/3/2011**	SeqNo: **2102288**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	16									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	9.500		16.67		57.0	36	124				
Surr: Tetrachloro-m-xylene	11.596		16.67		69.6	35	141				

Sample ID: **LCSA-70379**	SampType: **LCS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **2/3/2011**	RunNo: **129550**
Client ID: **LCSS**	Batch ID: **70379**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **2/3/2011**	SeqNo: **2102289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	110.185	16	166.7	0	66.1	56	100				
Aroclor 1260	119.058	16	166.7	0	71.4	57	110				
Surr: Decachlorobiphenyl	10.082		16.67		60.5	36	124				
Surr: Tetrachloro-m-xylene	12.048		16.67		72.3	35	141				

Sample ID: **115793-016AMSA**	SampType: **MS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **2/3/2011**	RunNo: **129550**
Client ID: **DP-1 Duplicate**	Batch ID: **70379**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **2/3/2011**	SeqNo: **2102290**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	129.861	16	166.7	0	77.9	51	108				H
Aroclor 1260	144.220	16	166.7	0	86.5	53	120				H
Surr: Decachlorobiphenyl	12.261		16.67		73.6	36	124				H
Surr: Tetrachloro-m-xylene	13.593		16.67		81.5	35	141				H

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits

Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **115793-016AMSDA**	SampType: **MSD**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **2/3/2011**	RunNo: **129550**
Client ID: **DP-1 Duplicate**	Batch ID: **70379**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **2/3/2011**	SeqNo: **2102291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	127.124	16	166.7	0	76.3	51	108	129.9	2.13	20	H
Aroclor 1260	141.367	16	166.7	0	84.8	53	120	144.2	2.00	20	H
Surr: Decachlorobiphenyl	12.288		16.67		73.7	36	124		0	20	H
Surr: Tetrachloro-m-xylene	13.081		16.67		78.5	35	141		0	0	H

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **MB-69859**	SampType: **MBLK**	TestCode: **8082_W**	Units: **µg/L**	Prep Date: **1/19/2011**	RunNo: **128977**
Client ID: **PBW**	Batch ID: **69859**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **1/19/2011**	SeqNo: **2090672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	0.50									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Aroclor 1262	ND	0.50									
Aroclor 1268	ND	0.50									
Surr: Decachlorobiphenyl	0.395		0.5000		78.9	26	112				
Surr: Tetrachloro-m-xylene	0.438		0.5000		87.6	48	130				

Sample ID: **LCS-69859**	SampType: **LCS**	TestCode: **8082_W**	Units: **µg/L**	Prep Date: **1/19/2011**	RunNo: **128977**
Client ID: **LCSW**	Batch ID: **69859**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **1/19/2011**	SeqNo: **2090673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.939	0.50	5.000	0	78.8	54	97				
Aroclor 1260	4.217	0.50	5.000	0	84.3	56	103				
Surr: Decachlorobiphenyl	0.397		0.5000		79.4	26	112				
Surr: Tetrachloro-m-xylene	0.445		0.5000		88.9	48	130				

Sample ID: **MB-69859-MS**	SampType: **MS**	TestCode: **8082_W**	Units: **µg/L**	Prep Date: **1/19/2011**	RunNo: **128977**
Client ID: **ZZZZZZ**	Batch ID: **69859**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **1/19/2011**	SeqNo: **2090674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.878	0.50	5.000	0	77.6	54	97				
Aroclor 1260	4.069	0.50	5.000	0	81.4	56	103				
Surr: Decachlorobiphenyl	0.398		0.5000		79.5	26	112				
Surr: Tetrachloro-m-xylene	0.442		0.5000		88.3	48	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: Southern California Edison
Work Order: 115793
Project: Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **MB-69859-MSD**	SampType: **MSD**	TestCode: **8082_W**	Units: **µg/L**	Prep Date: **1/19/2011**	RunNo: **128977**
Client ID: **ZZZZZZ**	Batch ID: **69859**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **1/19/2011**	SeqNo: **2090675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.943	0.50	5.000	0	78.9	54	97	3.878	1.68	20	
Aroclor 1260	4.153	0.50	5.000	0	83.1	56	103	4.069	2.05	20	
Surr: Decachlorobiphenyl	0.409		0.5000		81.7	26	112		0	0	
Surr: Tetrachloro-m-xylene	0.453		0.5000		90.6	48	130		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

Logged By: _____ Date: 1/14/11

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☑ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED 5.6 Y☑ N☐ 4. CUSTODY SEAL Y☑ N☐
2. HEADSPACE (VOA) Y☐ N/A☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: **Southern California Edison**
Attn: David Van Horsen
Address: 300 N. Lone Hill Avenue
City San Dimas State CA Zip Code 91773
TEL: (909) 394-8947
FAX: (909) 394-8610

Project Name: Westlake Village GW Sampling Project #: 313725 Sampler: (Printed Name) Ethan Carlisle (Signature)

Relinquished by: (Signature and Printed Name)	Date: 1-13-11	Time: 10:01	Received by: (Signature and Printed Name)	Date: 1/13/11	Time: 1010
Relinquished by: (Signature and Printed Name)	Date: 1/13/11	Time: 1300	Received by: (Signature and Printed Name) FEDEX	Date: 1/13/11	Time: 1300
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Ethan Carlisle 1-12-11
Print Name Date
Signature

Send Report To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: _____ State: _____ Zip: _____

Bill To:
Attn: _____
Co: SAME AS ABOVE
Addr: _____
City: _____ State: _____ Zip: _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	1664 SGT/HEM (TRPH)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	CONCRETE	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	115493-1	DP-1 @ 8'	1-12-11	10:21	X											X							E	1	T	P	
	2	DP-2 @ 7'		10:48	X											X							E	1	T	P	
	3	DP-3 @ 8'		11:29	X											X							E	1	T	P	
	4	DP-4 @ 8'		9:46	X											X							E	1	T	P	
	5	HA-1-9'		13:24	X											X							E	1	J	6	
	6	HA-2-6'		13:53	X											X							E	1	J	6	
	7	DP-1		10:58	X													X					E	1	L	6	
	8	DP-1 Duplicate		11:03	X													X					E	1	L	6	
	9	DP-2		11:31	X													X					E	1	L	6	
	10	DP-3	1-12-11	11:41	X													X					E	1	L	6	

QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB Logcode ☐ OTHER ☐

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: ☐A= Overnight ≤ 24 hrs ☐B= Emergency Next workday ☐C= Critical 2 Workdays ☐D= Urgent 3 Workdays ☐E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report. **Yellow** to folder. **Pink** to submitter.

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

Logged By: _____ Date: _____

NOTE: Please include your Quote No. to ensure proper pricing of your project.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☑ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____

Sample Condition Upon Receipt

1. CHILLED	Y☐ N☐	4. CUSTODY SEAL	Y☐ N☐
2. HEADSPACE (VOA)	Y☐ N☐	5. # OF SPLS MATCH COC	Y☐ N☐
3. CONTAINER INTACT	Y☐ N☐	6. PRESERVED	Y☐ N☐

Client: **Southern California Edison**
Attn: David Van Horsen
Address: 300 N. Lone Hill Avenue
City San Dimas State CA Zip Code 91773
TEL: (909) 394-8947
FAX: (909) 394-8610

Project Name: Westlake Village GW Sampling Project #: 313725 Sampler: (Printed Name) Ethan Carlisle (Signature)

Relinquished by: (Signature and Printed Name)	Date: 1-13-11	Time: 10:01	Received by: (Signature and Printed Name)	Date: 1/13/11	Time: 1016
Relinquished by: (Signature and Printed Name)	Date: 1/13/11	Time: 1320	Received by: (Signature and Printed Name) FPDiaz	Date: 1/13/11	Time: 1320
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Ethan Carlisle 1-12-11
Print Name Date
Signature

Send Report To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Bill To:
Attn:
Co: SAME AS ABOVE
Addr:
City: State: Zip:

Special Instructions/Comments:
*DP-4 has very low amount of sample due to lack of temporary well production.

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX - Dispised

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	1664 SGT/HEM (TRPH)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	CONCRETE	TAT	Container(s) #	Container(s) Type	PRESERVATION
	11593 - 11	DP-4	1-12-11	14:15	X												X						E	1	L	6	
	12	HA-1	/	13:46	X												X						E	1	L	6	
	13	HA-2	/	14:13	X												X						E	1	L	6	
	14	Equipment Blank	1-12-11	11:51	X											X							E	1	L	6	

QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode ____ OTHER ____ REMARKS

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: ☐A= Overnight ≤ 24 hrs ☐B= Emergency Next workday ☐C= Critical 2 Workdays ☐D= Urgent 3 Workdays ☐E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report Yellow to folder Pink to submitter

Diane Galvan

From: David.Vanhorsen@sce.com
Sent: Thursday, February 03, 2011 11:48 AM
To: Diane Galvan
Subject: RE: J-Flag Results

DP-1 Duplicate...

dvh
David Van Horsen, RG, CEG
Technical Specialist 4
Engineering & Technical Services
Power Production Department
Pax 47623
OFC-909-394-8623
Cell-818-469-6943

From: "Diane Galvan" <diane@allglobal.com>
To: <David.Vanhorsen@sce.com>
Date 02/03/2011 11:43 AM
Subject RE: J-Flag Results

Hi David,

OK, I will generate a new report once the DUP analysis has been completed tomorrow. How do you want the sample ID to be listed for the duplicate run? Please advise.

Thanks,

Diane

From: David.Vanhorsen@sce.com [mailto:David.Vanhorsen@sce.com]
Sent: Thursday, February 03, 2011 11:37 AM
To: Diane Galvan
Subject: Re: J-Flag Results

Diane:

OK.. I think this looks good.

1. Please analyze remaining soil from sample DP-1 as the duplicate sample. This sample should be on a 24 hour rush basis.

2. In the final lab report (to contain the requested soil duplicate test) please include a Case Narrative sheet with the following:

"Higher detection limits were required for groundwater sample from DP-4 due to insufficient sample quantity"

"ND" is defined as less than MDL.

Thank you for the help working through this.

Regards,

dvh

David Van Horsen, RG, CEG
Technical Specialist 4
Engineering & Technical Services
Power Production Department
Pax 47623
OFC-909-394-8623
Cell-818-469-6943

ATTACHMENT # 5

Uniform Hazardous Waste Manifest # 002684980 and # 004552750 FLE
+ TSCA Manifest Continuation Form

LZ2998106-001 SC PPW 6/4/2010

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAR000194134
2. Page 1 of 1
3. Emergency Response Phone: (800) 451-8346
4. Manifest Tracking Number: 002684980 FLE

5. Generator's Name and Mailing Address:
Thousand Oaks SC
Southern Ca Edison Co 2244 Walnut Grove AveGO1O3A
Rosemead, CA 91770
Generator's Phone: (805) 494-7047 ATTN:PHIL JONAS

Generator's Site Address (if different than mailing address):
3589 Foothill Drive
Thousand Oaks,CA 91361

6. Transporter 1 Company Name: Clean Harbors Environmental Services Inc — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Clean Harbors Los Angeles LLC
5756 Alba Street
Los Angeles, CA 90058
Facility's Phone: (323) 277-2500
U.S. EPA ID Number: CAD050806850

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. ~~NONE~~. NON RCRA HAZARDOUS WASTE LIQUIDS. (USED OIL). ~~N/A~~	8	CM	948 ~~2313~~	P	221
	2. ~~NONE~~, NON RCRA HAZARDOUS WASTE LIQUIDS, (USED OIL), ~~N/A~~	1	CM	7	P	261
	3. ~~NONE~~, NON RCRA HAZARDOUS WASTE LIQUIDS, (NON-DOT REGULATED. LEAKING/NON-LEAKING NON PCB CAPACITORS (LARGE OR SMALL)), N/A	1	CW	1238	P	223
	4. ~~NONE~~. NON RCRA HAZARDOUS WASTE LIQUIDS. (MINERAL OIL). ~~N/A~~. (OIL)	2	DM	825	P	221

14. Special Handling Instructions and Additional Information
4.(USS#17295, 18156 1 DRUM)
1. LASCE-0035H 8×CM
2. LASCE-0036 1×CM
3. LASCE-0064 1× CW
4. LASCE-22780HD 2×DM×55

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Scott Edwards — Signature: Scott Edwards — Month 8 Day 10 Year 10

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: STEVWIEL BEACAMONTES — Signature: [signature] — Month 8 Day 10 Year 10
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. H141 3. H141 4. H141

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Maximo Bolanos — Signature: Maximo Bolanos — Month 8 Day 10 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 172998106-001 SC PPW 6/4/2010 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	CAR000194134	2 of 2	002684980FLE

24. Generator's Name: Thousand Oaks SC.

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
	5. NONE, NON RCRA HAZARDOUS WASTE SOLIDS, (NON DOT REGULATED <1LB PCBS, SOLID WASTE-DEBRIS/SOIL 50-499PPM PCBS), N/A	4	DM	573	K	261		
	6. NONE, NON RCRA HAZARDOUS WASTE SOLIDS, (NON DOT REGULATED <1LB PCBS, ELECTRICAL EQUIPMENT-EMPTY OR DRAINED 50-499PPM PCBS), N/A	1	CM	250	K	261		

GENERATOR

32. Special Handling Instructions and Additional Information

5. LASCE-0071 4X20MX ST
6. lasce-0073 1X CM

5.(OSS# 18111 4 DRUMS) 6.(OSS# 18111 1 UNIT)

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

5. H141	6. H141			

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

TSCA MANIFEST CONTINUATION FORM

MANIFEST NUMBER: 002684980FLE
GENERATOR NAME: SCE- Thousand Oaks CSO
ADDRESS: 3589 Foothill Ave Thousand Oaks, CA 91361
EPA ID: CAR000194134

Date Removed From Service	PPM	Serial Number/Unique ID Number	Type/Description	Weight (Pounds)	Weight (Kilograms)
07/18/10	166	H235218P68A / 2320276	Transformer	550	250
07/18/10	166	24857	Soil/Debris	560	254
07/18/10	166	24858	Soil/Debris	500	227
07/18/10	166	24859	Soil/Debris	100	45
07/18/10	166	24860	Soil/Debris	100	45

x Scott Edwards 8-10-10

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC002656542	1	800-624-9136	004552750 JJK

GENERATOR

5. Generator's Name and Mailing Address
SCE-Westlake Village Site
Southern Ca Edison Attn Walnut Grove Ave 60103A
Rosemead, CA 91770
Generator's Phone: (805)223-3591 ATTN: Andy Melendez

Generator's Site Address (If different than mailing address)
3701 Capstain Circle
Westlake, CA 91361

6. Transporter 1 Company Name
Patriot Environmental Services

U.S. EPA ID Number
CAD053960794

7. Transporter 2 Company Name

U.S. EPA ID Number

CR
FS
OFFC

8. Designated Facility Name and Site Address
Clean Harbors Grassy Mountain LLC
3 Miles East 7 Miles North of Knolls
Grantsville, UT 84029
Facility's Phone: 435 884-8900

U.S. EPA ID Number
UTD991301748

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non RCRA Hazardous Waste Solid. (Non DOT Regulated <1LB PCBs Solid Waste-Debris Soil 50-499 PPM PCBs)	001	CM	19500	K	261
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Wear Proper PPE
1. LASCE-0208
Sales Order # LZ3023004-0001 Spill Log # 18111

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: ANDY MELENDEZ
Signature:
Month Day Year: 08 09 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CHRISTOPHER CONNELLY
Signature:
Month Day Year: 08 09 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
OK to use GM weights per Sara Duwall @ Southern Cal. Edison. (ew 8/16/10
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			2010004108 85

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Camille Mitchell
Signature:
Month Day Year: 08 12 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

cies between the waste
defined by §§ 264.72(b)

TSCA MANIFEST CONTINUATION FORM

MANIFEST NUMBER: 006455275 50 JJK
GENERATOR NAME: Southern California Edison Woodland Hills Site
ADDRESS: 3701 Capstain Circle, Westlake, CA 91361
EPA ID: CAC002656542

Date Removed From Service	PPM	Serial Number/Unique ID Number	Type/Description	Weight (Pounds)	Weight (Kilograms)
08/09/10	166	H23521896A	Soil/Debris	-	9950 -
					-
					-
					-
					-
					-
					-
					-
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SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

August 30, 2011

Peter J. Raftery, PG, CHG.
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Certified Mail Receipt # 7010 0780 0000 5788 9578

Subject: **TRANSMITTAL OF SOIL EXCUVATION WORK PLAN - SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE No. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254, SITE ID. NO. 2040385)**

Dear Mr. Raftery:

Enclosed is the signed and stamped original copy of the Soil Excavation Work Plan that is being also submitted the US Environmental Protection Agency for review and approval. This document is being uploaded and submitted electronically via Geotracker.

If you have any questions and/or need additional information, please feel free to call me at (626) 462-8740.

Best Regards,

Mary Zepeda
Project Manager
Operations Support Business Unit
Water/Waste and Environmental Engineering
Technical Services and Program Management Section
Corporate Environment, Health & Safety Division
Southern California Edison

cc: Joshua Nichols
Jared Blumenfeld, USEPA Regional Administrator
Carmen Santos, USEPA Region IV's Regional PCB Administrator

Enclosure

1218 S. 5th Avenue
Monrovia, CA 91016